Midwest
Environmental
Consulting, L.L.C.

May 11, 2012

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Four-Plex Residential Property, 206/208/210 Bates Avenue, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the four-plex residential property located at 206/208/210 Bates Avenue North, St. Paul, Minnesota on May 7, 2012 May 9 2012.

Andrew Myers, Environmental Project Manager with MEC and licenced lead risk assessor (MN LR #578) and Greg Myers, Environmental Services Director and licensed lead risk assessor (MN LR #284) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, "*Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance.*" Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing. All original vintage window components of this property should be considered to be positive for lead-based paint. Please note that unfinished cabinets, baseboards, doors, door casings, door jambs, vinyl windows were not tested because they did not have a coating and were easily identifiable as new installation.

125 Railroad Avenue SW ❋ Mora, Minnesota 55051
Phone: 763-691-0111 / 320-679-4054 ❋ Fax: 763-691-0145 / 320-679-4442
Training Center: Coon Rapids, MN ❋ Regional Office: New Praque, MN

SITE DESCRIPTION

The residential four-plex property located at 206/208/210 Bates Avenue, St. Paul, Minnesota is a two story brick, concrete & wood framed structure on a stone and concrete basement constructed in approximately 1880. The property's exterior is a combination of brick and concrete of the original vintage with some updated wood siding. The exterior wood trim is a combination of newer and original vintage wood. The interior was in the process of a major renovation in 2008 according to the City of St. Paul records. The interior has newer drywall walls & ceilings over some existing exterior original walls. There are a combination of original vintage window components with partial insert replacements and some complete replacement window systems. The wood trim is primarily newer finished and unfinished trim. The kitchen cabinets are unfinished newer vintage wood. The floors are a combination of carpet & vinyl or subfloor. The stairs are original vintage wood. The basement walls are primarily stone with some drywall walls & ceilings. The floors are concrete. The entry doors to the complex are metal clad with primed wood jambs (some have been vandalized). The property has been vacant for some time. Vandalism has occurred to all of the units. There is broken glass on the carpets and floors, water infiltration through broken windows, poor drainage around the foundation causing the floor system to warp. Water was entering lower Unit 206 through the SE window well and the floors are saturated in the east half of this unit. Microbial growth was visibly present on the drywall in the lower two units and will require extensive removal of drywall and other porous surfaces. Sub-flooring has been damaged and will also require replacement because of microbial growth. The exterior landscaping is contributing to the moisture infiltration on the north, east and south sides with a negative grade and concrete drainage area that is directing water into a window well.

The 206 kitchen cabinets are impacted by moisture and mold. With current moisture levels in the lower units and summer temperatures on the increase, the microbial growth is highly likely to become more prevalent and will also affect the basement and upper levels if the moisture infiltration is not stopped and the building interior dehumidified.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303A X-Ray Fluorescence Spectrum Analyzers (Serial # 26848).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead

concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm^2 when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: West, faces Bates Avenue
Side B: North, faces commercial property
Side C: East, faces residential properties
Side D: South, faces commercial property

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT
Lower N. Apt	Painted wood window ledge
Lower N. Apt	Painted wood lower wall
Lower N. Apt	Painted wood trim

Stairway to Basement	Painted wood doors and door components
Stairway to Basement	Painted wood walls & ceiling
Stairway to Basement	Painted wood stair treads & riser
Stairway to Basement	Painted wood baseboards
Stairway to Basement	Painted plaster walls
Lower S. Apt.	Painted drywall wall
Exterior	Brick wall
Exterior	Painted wood trim
Exterior	Painted wood soffits
Exterior	Painted wood window components
Floor 2, Common Hall & Entry	Painted wood door components
Floor 2, Common Hall & Entry	Painted wood lower walls
Upper N. Apt - Hall	Painted wood closet shelf supports
Upper N. Apt - Living Room	Painted wood closet shelf supports
Upper N. Apt - Living Room	Painted wood baseboards
Upper N. Apt - Bath 2	Painted wood window components
Upper S. Apt - Hall	Painted wood closet shelf supports
Upper S. Apt - Hall	Painted plaster closet walls
Upper S. Apt - Living Room	Painted wood closet shelf supports
Upper S. Apt - Living Room	Painted plaster closet walls
Upper S. Apt - Living Room	Painted wood window components
Upper S. Apt - Kitchen	Painted wood window components
Upper S. Apt - Bath 2	Painted wood window components
Upper S. Apt - Bedroom 3	Painted wood window casings

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through a visual inspection of the dwelling; and reviewing paint test data and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately 1880.
- The property is a four-plex residential structure.
- Major renovations were started in approximately 2008.
- Interior walls and ceilings are primarily drywall with some areas of plaster
- Windows are a combination of original vintage wood (some with newer inserts) and newer replacement windows.
- Microbial contamination is prevalent.
- Vandalism has occurred at the property.
- The exterior is brick with some wood siding & wood trim
- Bare soil was observed on the days of the site evaluation.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the exterior of the structure is mainly in poor condition. The interior and exterior is mainly in poor condition with some components in fair or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm^2 action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was observed and a bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0512C-W1 5/7/12	Unit 210, Living Room, Side A, floor adj. entry	54 µg/ft²	40 µg/ft²
502/0512C-W2 5/7/12	Unit 210, Living Room, Side A, right window stool	300 µg/ft²	250 µg/ft²
502/0512C-W3 5/7/12	Unit 210, Bedroom 2, Side B, floor under window	<10 µg/ft²	40 µg/ft²
502/0512C-W4 5/7/12	Unit 210, Bedroom 2, window stool	45 µg/ft²	250 µg/ft²
502/0512C-W5 5/7/12	Unit 210, Kitchen, Side C, floor	31 µg/ft²	40 µg/ft²
502/0512C-W6 5/7/12	Basement, Laundry Room, Side A, floor	1,600 µg/ft²	40 µg/ft²
502/0512C-W7 5/7/12	Common Stairway, stair tread, 2nd from bottom	560 µg/ft²	40 µg/ft²
502/0512C-W8 5/7/12	208-Unit B, West Bedroom, Side A, floor	92 µg/ft²	40 µg/ft²
502/0512C-W9 5/7/12	208-Unit B, West Bedroom, Side A, window stool	470 µg/ft²	250 µg/ft²

502/0512C-W10 5/7/12	208-Unit A, Bath, Side A, floor under window	3,600 µg/ft²	40 µg/ft²
502/0512C-W11 5/7/12	208-Unit A, Bath, Side A, window trough	66,000 µg/ft²	400 µg/ft²
502/0512C-W12 5/7/12	208-Unit B, East Bedroom, floor	<10 µg/ft²	40 µg/ft²
502/0512C-W13 5/7/12	208-Unit A, East Bedroom, window trough	6,900 µg/ft²	400 µg/ft²
502/0512C-W14 5/7/12	Unit 206, Living Room, Side A, floor adj. door	<10 µg/ft²	40 µg/ft²
502/0512C-W15 5/7/12	Unit 206, Living Room, Side A, left window stool	91 µg/ft²	250 µg/ft²
502/0512C-W16 5/7/12	Unit 206, Bedroom 1, Side D, floor under window	<10 µg/ft²	40 µg/ft²
502/0512C-W17 5/7/12	Unit 206, Bedroom 1, Side D, window trough	140 µg/ft²	400 µg/ft²
502/0512C-W18 5/7/12	Unit 206, Kitchen, Side C, floor at hall	990 µg/ft²	40 µg/ft²
502/0512C-W19 5/7/12	Unit 206, Bedroom 2, floor under window	<10 µg/ft²	40 µg/ft²
502/0512C-W20 5/7/12	Blind Field Blank	<10 µg/ft²	--------
502/0512A-S1 5/7/12	Bare Soil, Foundation	500 ppm	100 ppm

* Unit Abbreviations: µg/ft² - micrograms per square foot

Dust wipe samples and a bare soil sample were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing. All original vintage wood window systems should be considered to be positive for lead-based paint.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of

building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood interior & exterior window components; painted wood door components; painted plaster, drywall & wood walls; painted wood baseboards; stair risers & treads; brick siding; painted exterior wood trim & soffits; and closet shelf supports.

Lower North Apartment - Living Room/Kitchen:

Painted wood window ledge: In intact condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood lower wall and trim: In intact condition.

- Option 1: Remove wall & trim using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Stairway to Basement:

Painted wood doors & door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with lead free products.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls & ceiling: In fair condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as

Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood stair treads & riser: In fair condition.

- Option 1: Remove stair system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In fair condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls: In fair condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Lower South Apt. - Living Room:

Painted drywall walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and

include into an Operation & Maintenance Plan with ongoing monitoring.

Exterior:

Brick wall:

- Option 1: Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood trim & soffits: In fair condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with lead free products.
- Option 2: Enclose under a dust tight barrier, such as low maintenance siding, using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring. Ensure that all seams & seals are maintained in a sealed condition with elastomeric caulk.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with new lead free coatings.

Painted wood exterior window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.
- Option 3: Exterior window components may be enclosed under a dust tight barrier such as aluminum cladding using Lead Safe Work Practices making sure all seams and seals are maintained in a sealed condition with elastomeric caulk and include into an Operation & Maintenance Plan with ongoing monitoring.

2nd Floor Common Hall & Stair:

Painted wood door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with lead free products.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.

- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Upper North Apartment - Hall:
Painted wood closet shelf supports: In intact condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practice and re-coat with lead free coatings.

Upper North Apartment - Living Room:
Painted wood closet shelf supports: In intact condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practice and re-coat with lead free coatings.

Painted wood baseboards: In intact condition.
- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Upper North Apartment - Bathroom 2:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Upper South Apartment - Hall:
Painted wood closet shelf supports: In poor condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.

- Option 2: Remove coatings to bare substrate using Lead Safe Work Practice and re-coat with lead free coatings.

Painted plaster closet walls: In poor condition.
- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Upper South Apartment - Living Room:
Painted wood closet shelf supports: In intact condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practice and re-coat with lead free coatings.

Painted plaster closet walls: In poor condition.
- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Upper South Apartment - Kitchen:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Upper South Apartment - Bathroom 2:
Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Upper South Apartment - Bedroom 3:
Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free window systems.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Lead Dust:
Dust was identified as a lead hazard on floor and window surfaces tested. All floors and window systems should be cleaned and made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and clearance testing.

Bare Soil:
A bare soil sample was collected for lead and found to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard.

Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil is not currently present and steps should be taken to keep bare soil from being generated.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm^2 threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately $75.00 to $250.00 per room.
- Window replacement, approximately $150.00 and up, depending on style.
- Exterior preparation approximately $35.00 to $75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: $0.15 to $0.35 per square foot.
- Paint stabilization: $0.20 to $0.65 per square foot.
- Removal: Paint - chemical stripper: $0.65 to $1.50 square foot.
- Soil Remediation:
  a. Clean-up of visible exterior paint chips: $0.90 to $1.35 square foot.
  b. Seed and tack grass: $0.45 to $0.75 square foot.
  c. Sod: $1.25 to $3.30 square foot.
  d. Regrade at foundation and sod: $3.00 to $5.00 square foot.
  e. Mulch - 4": $0.50 to $0.90 square foot.
  f. Concrete: $4.50 to $8.00 square foot.
  g. Replace soil: $42.00 to $65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Andrew Myers
Environmental Project Manager

Greg A. Myers
Environmental Services Director

APPENDIX A

INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC
125 Railroad Ave SW
Mora, Minnesota 55051

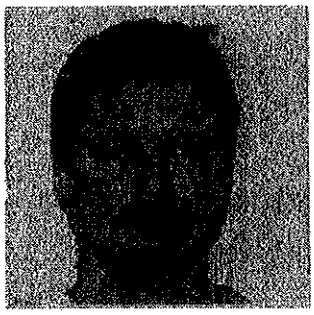
in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551
Expires 03/28/2013

This certificate is nontransferable.

Linda B. Bruemmer, Director
Division of Environmental Health



Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR578
Expires 08/25/2012

Andrew J Myers
210 2nd St N
New Prague, MN 56071

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0847
Expiration Date: August 25, 2012
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001
Morris, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Initial Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, L.L.C.
145 - 2ND Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN MORRIS, MINNESOTA

IDENTIFICATION NUMBER: MEC-LIT 0053
Expiration Date: March 14, 2002
MDH Permit No: LI - 003

Course Director

Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Lead-Based Paint Risk Assessor Training

June 25-26, 2001

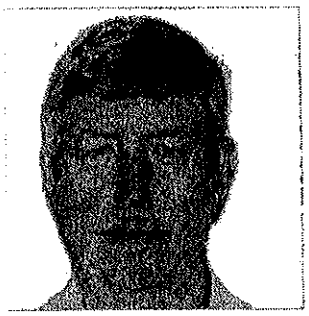
given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008

- SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRA 0111
Expiration Date: June 28, 2002
MDH Permit #: RA1-002

Greg Anderson
Course Director



Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR284
Expires 08/25/2012

Greg A Myers
19667 Salmonson River Rd
Mora, MN 55051

Greg A. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0843
Expiration Date: August 25, 2012
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

MINNESOTA MDH DEPARTMENT of HEALTH

RA-0040

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Greg Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

October 25, 1999
St. Paul, Minnesota
This certificate is nontransferable.

Patricia A. Bloomquist

Director, Division of Environmental Health
Jan K. Malcolm, Commissioner

Midwest Center for Occupational Health & Safety

Program in Continuing Education - Occupational Health

640 Jackson Street
St. Paul, MN 55101
(612) 221-3992
LR-48

This certifies that

Greg Myers

attended this continuing education course offered by Midwest Center for Occupational Health & Safety

Lead Risk Assessment

April 24 - 25, 1997

SUCCESSFULLY PASSED THE EXAMINATION ON APRIL 25, 1997 IN ST PAUL, MN.

- 2.0 Maintenance of certification points from the American Board of Industrial Hygiene.
- Designed to meet the requirements of the Minnesota Board of Nursing for 19.2 (50 minute) contact hours.
- This course offers 1.6 Continuing Education Units (CEUs) from the Midwest Center for Occupational Health and Safety.

NIOSH Sponsored Educational Resource Center
National Institute of Environmental Health Sciences
US EPA Regional Lead Training Center
Great Lakes OSHA Training Consortium

Course Director

Return this certificate for your records

THIS CERTIFIES THAT

Greg Myers

has completed the EPA Sponsored Lead Training course entitled

Lead Inspector Training

February 2, 1994 to February 4, 1994

given by the

Midwest Center for Occupational Health & Safety

Program in Continuing Education

An EPA Regional Lead Training Center

Successfully passed the examination on February 4, 1994 in St Paul, MN

- Designed to meet the requirements of the MN Board of Nursing for 25 contact hours
- 3.0 Maintenance of certification points from the American Board of Industrial Hygiene
- Approval has been granted for 12 contact hours for continuing education by the MDH for registration as an Environmental Health Specialist/Sanitarian
- This course offers 2.4 Continuing Education Units (CEUs) from the Midwest Center for Occupational Health and Safety

IDENTIFICATION NUMBER: LI-199

A NIOSH Sponsored Educational Resource Center

NITON® corporation

Certificate of Achievement

This is to certify that

GREG MYERS

has successfully completed the Manufacturer's Training Course for the NITON XL Spectrum Analyzer

The two-day course covered radiation safety and monitoring, L x-ray measurement technology, and machine maintenance of the XL Lead-in-Paint Detector

94855

Certificate Number

June 15-16, 1995

Course Date

Director of Training

President & CEO – NITON

MINNESOTA MDH DEPARTMENT of HEALTH

ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health

Expires: 07/21/2012

Greg A Myers
19667 Salmonson River Rd
Mora, MN 55051

Director, Env. Health Div.

No. AI2289

Issued: 07/29/2011

Certificate No: 5LM07211105IR

Expiration Date: July 21, 2012

This is to certify that

Greg Myers

has attended and successfully completed an

ASBESTOS INSPECTOR REFRESHER TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on July 21, 2011

Examination Date: July 21, 2011

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

Tufts University

Greg Myers

Has attended and satisfactorily passed an examination covering the contents of the course:

"Asbestos Abatement for Inspectors"

conducted by the

Asbestos Information Center
Center for Environmental Management

8801-03-032
Certificate Number

january 25-27, 1988
Date of Course

january 27, 1989
Expiration Date

SIGILLUM UNIVERSITATIS TUFTENSIS
PAX ET LUX SISTENSIS
1852

Training and Education Coordinator

Director
Center For Environmental Management

American Council for Accredited Certification

hereby certifies that

Greg A. Myers

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a

CMC

Council-certified Microbial Consultant

This certificate expires on October 31, 2013.

Charles F. Wiles, Executive Director

0710009

Certificate Number

This certificate remains the property of the American Council for Accredited Certification.

INDOOR AIR QUALITY ASSOCIATION

Membership Certificate

THIS DOCUMENT IS TO CERTIFY THAT

Greg Myers

Membership ID #: 15240

IS A MEMBER IN GOOD STANDING AND ENTITLED TO ALL RIGHTS & PRIVILEGES OF ASSOCIATION MEMBERSHIP

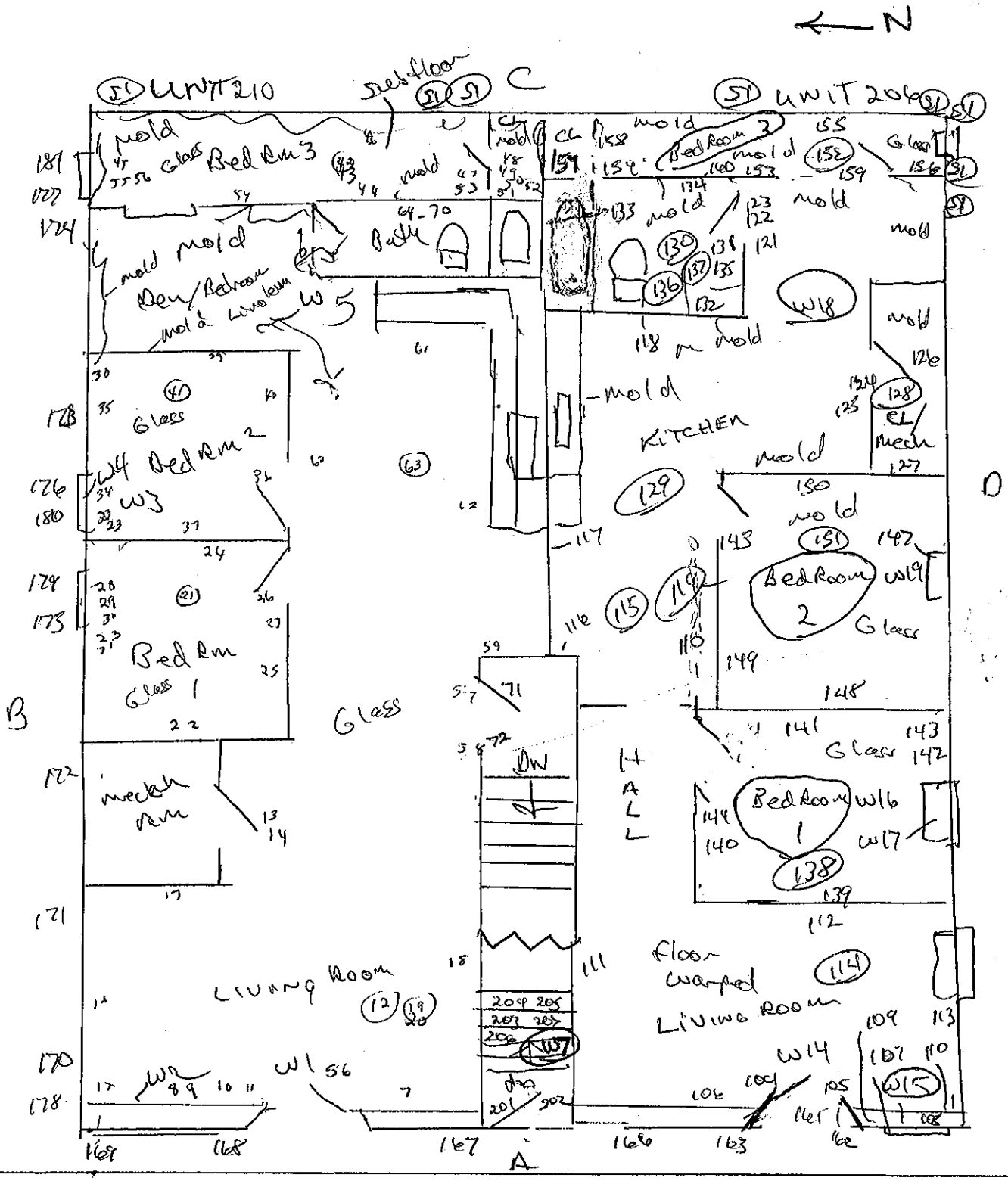
EXPIRES 12/1/2012

ASSOCIATION INC.

Glenn E. Fellman, Executive Director

APPENDIX B

XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA

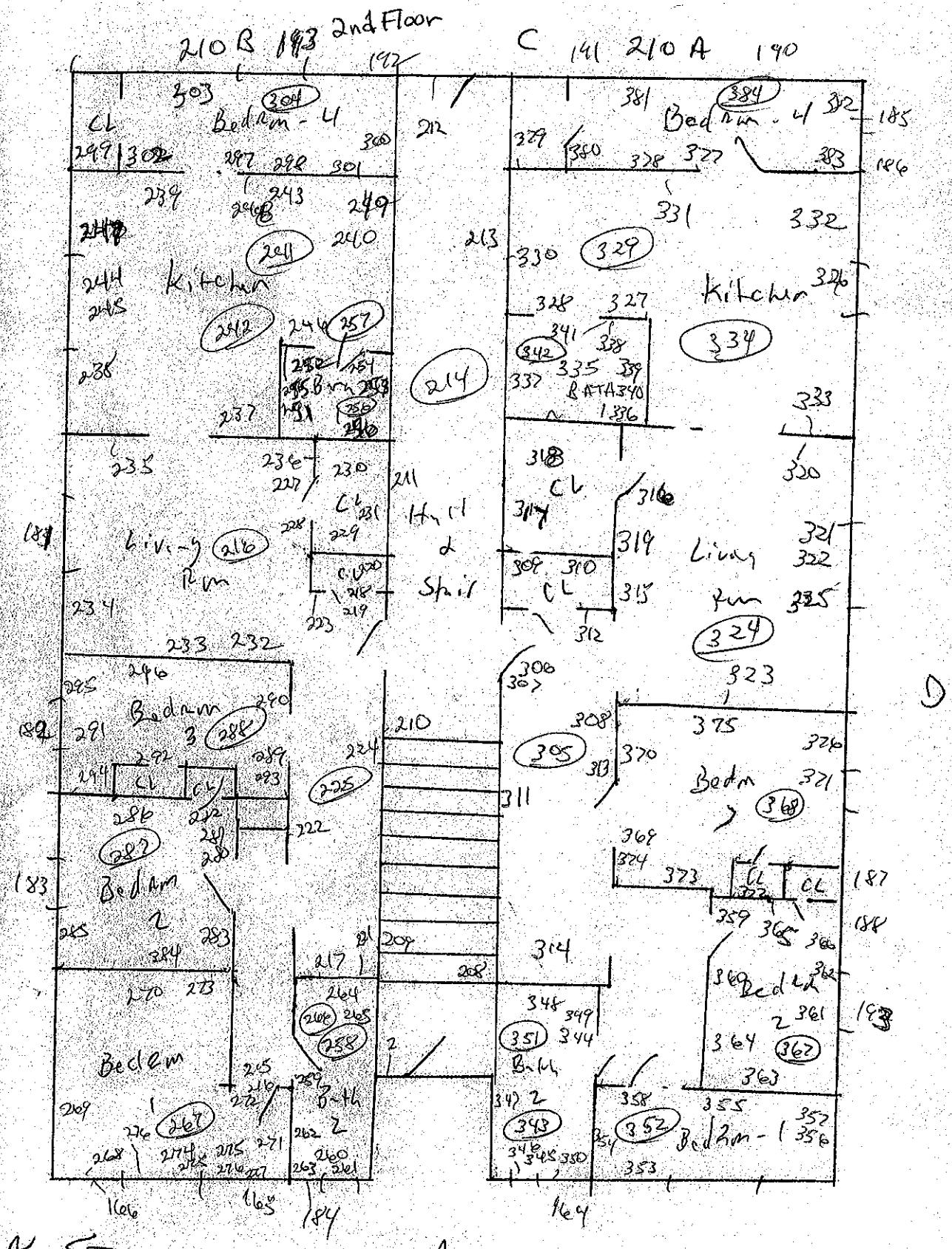


BATES AVENUE

Sketch not to scale
FIRST FLOOR LEVEL
DRAWN BY: GREG MYERS
MIDWEST ENVIRONMENTAL CONSULTING

206, 208, 210 Bates Ave
St. Paul MN

W 20 = FIELD BLANK

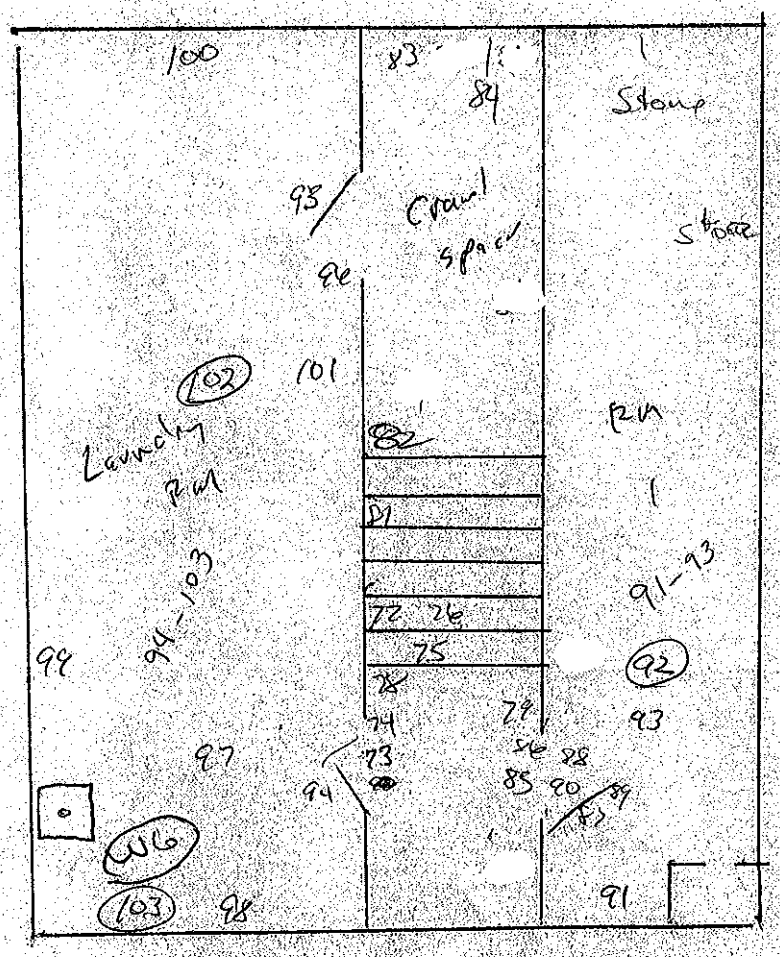


W20 = Blind Field Blank

206, 208, 210 Bates Ave
St. Paul MN

Basement

C



B

D

Basement

A

206, 208, 210 Bates Ave
St. Paul MN

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site: All Phase Copanies, 206, 208, 212 Bates Avenue, St. Paul MN
Dates: May 9 - 10, 2012
XRF: 303A, Serial #26848

Site	XRF #	Date/Time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp
	1	5/9/2012 12:33										6.4	1.39	0	44.37		AM
206,208,210 Bates	2	5/9/2012 12:38					CALIBRATE				POS	1.1	1.1	< LOD	16.16	1.13	AM
206,208,210 Bates	3	5/9/2012 12:39					CALIBRATE				Neg	0.9	0.9	< LOD	10.61	1.02	AM
206,208,210 Bates	4	5/9/2012 12:39					CALIBRATE				POS	1	1	< LOD	24.02	1.07	AM
206,208,210 Bates	5	5/9/2012 12:47	1	Living Rm/Kit	Lower N	A	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.02	1	AM
206,208,210 Bates	6	5/9/2012 12:47	1	Living Rm/Kit	Lower N	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	2.75	AM
206,208,210 Bates	7	5/9/2012 12:47	1	Living Rm/Kit	Lower N	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.61	1	AM
206,208,210 Bates	8	5/9/2012 12:48	1	Living Rm/Kit	Lower N	A	WINDOW casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	2.8	AM
206,208,210 Bates	9	5/9/2012 12:48	1	Living Rm/Kit	Lower N	A	WINDOW LEDGE	WOOD	INTACT	WHITE	POS	14.1	10.1	14.1	5.04	2.82	AM
206,208,210 Bates	10	5/9/2012 12:49	1	Living Rm/Kit	Lower N	A	WALL LOWER	WOOD	INTACT	WHITE	POS	13.3	10.1	13.3	5.58	6.96	AM
206,208,210 Bates	11	5/9/2012 12:49	1	Living Rm/Kit	Lower N	A	TRIM	WOOD	INTACT	WHITE	POS	14.4	4.2	14.4	5.56	10	AM
206,208,210 Bates	12	5/9/2012 12:50	1	Living Rm/Kit	Lower N		FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.52	1	AM
206,208,210 Bates	13	5/9/2012 12:51	1	Living Rm/Kit	Lower N	B	DOOR	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	9.47	1	AM
206,208,210 Bates	14	5/9/2012 12:51	1	Living Rm/Kit	Lower N	B	DOOR JAMB	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.6	3.7	AM
206,208,210 Bates	15	5/9/2012 12:51	1	Living Rm/Kit	Lower N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1.18	AM
206,208,210 Bates	16	5/9/2012 12:52	1	Living Rm/Kit	Lower N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
206,208,210 Bates	17	5/9/2012 12:52	1	Living Rm/Kit	Lower N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
206,208,210 Bates	18	5/9/2012 12:52	1	Living Rm/Kit	Lower N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.26	1	AM
206,208,210 Bates	19	5/9/2012 12:53	1	Living Rm/Kit	Lower N		CEILING	Drywall	INTACT	WHITE	Null	< LOD	< LOD	< LOD	0.55	10	AM
206,208,210 Bates	20	5/9/2012 12:53	1	Living Rm/Kit	Lower N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.28	1	AM
206,208,210 Bates	21	5/9/2012 12:54	1	BEDROOM 1	Lower N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
206,208,210 Bates	22	5/9/2012 12:54	1	BEDROOM 1	Lower N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.66	1	AM
206,208,210 Bates	23	5/9/2012 12:55	1	BEDROOM 1	Lower N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	1.38	AM
206,208,210 Bates	24	5/9/2012 12:55	1	BEDROOM 1	Lower N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.66	1	AM
206,208,210 Bates	25	5/9/2012 12:55	1	BEDROOM 1	Lower N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
206,208,210 Bates	26	5/9/2012 12:55	1	BEDROOM 1	Lower N	D	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	27	5/9/2012 12:56	1	BEDROOM 1	Lower N	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	28	5/9/2012 12:56	1	BEDROOM 1	Lower N	B	WINDOW casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	4.18	AM
206,208,210 Bates	29	5/9/2012 12:57	1	BEDROOM 1	Lower N	B	WINDOW trough	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.12	3.54	AM
206,208,210 Bates	30	5/9/2012 12:57	1	BEDROOM 1	Lower N	B	WINDOW ledge	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.57	6.03	AM
206,208,210 Bates	31	5/9/2012 12:58	1	BEDROOM 1	Lower N	B	WINDOW ledge	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.83	1	AM
206,208,210 Bates	32	5/9/2012 12:58	1	BEDROOM 2	Lower N	B	WINDOW ledge	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1.1	AM
206,208,210 Bates	33	5/9/2012 12:59	1	BEDROOM 2	Lower N	B	WINDOW sash	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.02	3.17	AM
206,208,210 Bates	34	5/9/2012 12:59	1	BEDROOM 2	Lower N	B	WINDOW casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	35	5/9/2012 12:59	1	BEDROOM 2	Lower N	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1.18	AM
206,208,210 Bates	36	5/9/2012 13:00	1	BEDROOM 2	Lower N	D	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.61	2.33	AM
206,208,210 Bates	37	5/9/2012 13:00	1	BEDROOM 2	Lower N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.74	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF#	Date/Time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	Pb	Pb	Pb	Duration	Depth	Insp
206,208,210 Bates	38	5/9/2012 13:00	1	BEDROOM 2	Lower N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
206,208,210 Bates	39	5/9/2012 13:01	1	BEDROOM 2	Lower N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
206,208,210 Bates	40	5/9/2012 13:01	1	BEDROOM 2	Lower N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
206,208,210 Bates	41	5/9/2012 13:01	1	BEDROOM 2	Lower N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.12	2.47	AM
206,208,210 Bates	42	5/9/2012 13:02	1	BEDROOM 3	Lower N		CEILING	Drywall	INTACT	WHITE	Null	< LOD	< LOD	< LOD	1.67	2.87	AM
206,208,210 Bates	43	5/9/2012 13:02	1	BEDROOM 3	Lower N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.91	1	AM
206,208,210 Bates	44	5/9/2012 13:03	1	BEDROOM 3	Lower N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
206,208,210 Bates	45	5/9/2012 13:03	1	BEDROOM 3	Lower N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1.29	AM
206,208,210 Bates	46	5/9/2012 13:03	1	BEDROOM 3	Lower N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	47	5/9/2012 13:03	1	BEDROOM 3	Lower N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.09	1	AM
206,208,210 Bates	48	5/9/2012 13:04	1	BEDROOM 3	Lower N	D	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	49	5/9/2012 13:04	1	BEDROOM 3	Lower N	D	CLOSET dr	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	2.23	1	AM
206,208,210 Bates	50	5/9/2012 13:04	1	BEDROOM 3	Lower N	D	CLOSET dr	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.61	1	AM
206,208,210 Bates	51	5/9/2012 13:05	1	BEDROOM 3	Lower N	D	CLOSET dr jmb	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.57	1.2	AM
206,208,210 Bates	52	5/9/2012 13:05	1	BEDROOM 3	Lower N	D	CLOSET dr casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
206,208,210 Bates	53	5/9/2012 13:05	1	BEDROOM 3	Lower N	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.23	1	AM
206,208,210 Bates	54	5/9/2012 13:06	1	BEDROOM 3	Lower N	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	55	5/9/2012 13:06	1	BEDROOM 3	Lower N	B	WINDOW	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	9.48	4.54	AM
206,208,210 Bates	56	5/9/2012 13:06	1	BEDROOM 3	Lower N	B	WINDOW	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	7.24	1	AM
206,208,210 Bates	57	5/9/2012 13:07	1	HALL	Lower N	D	DOOR CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	5.85	AM
206,208,210 Bates	58	5/9/2012 13:07	1	HALL	Lower N	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.49	1.3	AM
206,208,210 Bates	59	5/9/2012 13:08	1	HALL	Lower N	A	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.23	1	AM
206,208,210 Bates	60	5/9/2012 13:08	1	HALL	Lower N	B	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.71	1	AM
206,208,210 Bates	61	5/9/2012 13:08	1	HALL	Lower N	C	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1	AM
206,208,210 Bates	62	5/9/2012 13:09	1	HALL	Lower N	D	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	3.05	AM
206,208,210 Bates	63	5/9/2012 13:09	1	HALL	Lower N		CEILING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.43	1.05	AM
206,208,210 Bates	64	5/9/2012 13:09	1	BATHROOM	Lower N		CEILING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.47	1	AM
206,208,210 Bates	65	5/9/2012 13:10	1	BATHROOM	Lower N	A	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1.01	AM
206,208,210 Bates	66	5/9/2012 13:10	1	BATHROOM	Lower N	B	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1	AM
206,208,210 Bates	67	5/9/2012 13:10	1	BATHROOM	Lower N	C	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.25	1	AM
206,208,210 Bates	68	5/9/2012 13:11	1	BATHROOM	Lower N	D	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.47	1	AM
206,208,210 Bates	69	5/9/2012 13:11	1	BATHROOM	Lower N	B	DOOR CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.61	1	AM
206,208,210 Bates	70	5/9/2012 13:11	1	BATHROOM	Lower N		FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.53	1	AM
206,208,210 Bates	71	5/9/2012 13:12	0	STAIR	Lower N	B	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
206,208,210 Bates	72	5/9/2012 13:13	0	STAIR	Lower N	B	DOOR JAMB	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	73	5/9/2012 13:13	0	STAIR	Lower N	C	DOOR JAMB	WOOD	POOR	WHITE	POS	5.9	2.7	5.9	6.13	3.84	AM
206,208,210 Bates	74	5/9/2012 13:14	0	STAIR	Lower N		CEILING	WOOD	FAIR	WHITE	POS	9.8	10.1	9.8	5.03	2.59	AM
206,208,210 Bates	75	5/9/2012 13:14	0	STAIR	Lower N	C	TREAD	WOOD	FAIR	WHITE	POS	1.5	1	1.5	15.66	2.02	AM
206,208,210 Bates	76	5/9/2012 13:15	0	STAIR	Lower N	C	RISER	WOOD	FAIR	WHITE	POS	2	2	2.8	6.12	2.17	AM
206,208,210 Bates	77	5/9/2012 13:15	0	STAIR	Lower N	B	BASEBOARD	WOOD	FAIR	WHITE	POS	2.4	2.4	2.6	5.6	2	AM
206,208,210 Bates	78	5/9/2012 13:15	0	STAIR	Lower N	B	WALL	WOOD	FAIR	WHITE	POS	1.7	1.7	1.2	6.16	1.89	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Result	SPbC	PbC	PbK	Location	Depth	Insp
206,208,210 Bates	79	5/9/2012 13:16	0	STAIR	Lower N	D	WALL	WOOD	FAIR	WHITE	Neg	0.5	0.5	< LOD	5.6	1.38	AM
206,208,210 Bates	80	5/9/2012 13:16	0	STAIR	Lower N	D	WALL	PLASTER	FAIR	WHITE	Neg	0.4	0.4	< LOD	7.24	1.83	AM
206,208,210 Bates	81	5/9/2012 13:16	0	STAIR	Lower N	B	WALL	PLASTER	FAIR	WHITE	POS	1.6	1.6	< LOD	6.14	2.77	AM
206,208,210 Bates	82	5/9/2012 13:17	0	STAIR	Lower N	C	WALL	PLASTER	FAIR	WHITE	Neg	0.8	0.8	< LOD	5.57	2.03	AM
206,208,210 Bates	83	5/9/2012 13:17	0	STAIR	Lower N	C	WALL	PLASTER	FAIR	WHITE	Neg	0.6	0.6	< LOD	10.08	1.78	AM
206,208,210 Bates	84	5/9/2012 13:17	0	STAIR	Lower N	C	WALL	PLASTER	FAIR	WHITE	Neg	0.7	0.7	< LOD	4.46	1.95	AM
206,208,210 Bates	85	5/9/2012 13:18	0	STAIR	Lower N	D	DOOR	WOOD	POOR	WHITE	POS	13.3	9.3	13.3	5.03	3.38	AM
206,208,210 Bates	86	5/9/2012 13:18	0	STAIR	Lower N	D	DOOR JAMB	WOOD	POOR	WHITE	Neg	0.3	0.3	< LOD	5.58	1.11	AM
206,208,210 Bates	87	5/9/2012 13:19	0	STAIR	Lower N	D	DOOR JAMB	WOOD	POOR	WHITE	POS	2.8	1.5	2.8	10.02	1.72	AM
206,208,210 Bates	88	5/9/2012 13:19	0	STAIR	Lower N	B	DOOR JAMB	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1.75	AM
206,208,210 Bates	89	5/9/2012 13:19	0	STAIR	Lower N	B	DOOR	WOOD	POOR	WHITE	POS	1.3	1.3	1.3	8.39	1.6	AM
206,208,210 Bates	90	5/9/2012 13:20	0	STAIR	Lower N	B	DOOR THRESHOLD	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.55	1.37	AM
206,208,210 Bates	91	5/9/2012 13:21	0	RM 1	Lower N	A	WALL	Drywall	POOR	GREEN	Neg	< LOD	< LOD	< LOD	6.16	1.82	AM
206,208,210 Bates	92	5/9/2012 13:21	0	RM 1	Lower N		CEILING joist	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.56	1.18	AM
206,208,210 Bates	93	5/9/2012 13:22	0	RM 1	Lower N	A	COLUMN	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	6.14	1.82	AM
206,208,210 Bates	94	5/9/2012 13:23	0	LAUNDRY	Lower N	D	DOOR CASING	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	9.49	1.57	AM
206,208,210 Bates	95	5/9/2012 13:23	0	LAUNDRY	Lower N	D	CLOSET DR	WOOD	POOR	GREEN	Neg	0.21	0.21	< LOD	9.48	3.87	AM
206,208,210 Bates	96	5/9/2012 13:24	0	LAUNDRY	Lower N	D	CLOSET DR CASING	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.56	1.9	AM
206,208,210 Bates	97	5/9/2012 13:24	0	LAUNDRY	Lower N		FLOOR	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.82	1.2	AM
206,208,210 Bates	98	5/9/2012 13:25	0	LAUNDRY	Lower N	A	WALL	STONE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	8.95	1.43	AM
206,208,210 Bates	99	5/9/2012 13:25	0	LAUNDRY	Lower N	B	WALL	STONE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	11.66	1	AM
206,208,210 Bates	100	5/9/2012 13:26	0	LAUNDRY	Lower N	C	WALL	STONE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.26	1	AM
206,208,210 Bates	101	5/9/2012 13:26	0	LAUNDRY	Lower N	D	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.12	1	AM
206,208,210 Bates	102	5/9/2012 13:26	0	LAUNDRY	Lower N		CEILING	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	103	5/9/2012 13:27	0	LAUNDRY	Lower N	D	Floor by Wtr Main	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.55	1	AM
206,208,210 Bates	104	5/9/2012 13:36	1	Living Room	Lower S	A	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
206,208,210 Bates	105	5/9/2012 13:36	1	Living Room	Lower S	A	DOOR jamb	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.03	1	AM
206,208,210 Bates	106	5/9/2012 13:37	1	Living Room	Lower S	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.01	1	AM
206,208,210 Bates	107	5/9/2012 13:37	1	Living Room	Lower S	A	WINDOW sash	WOOD	POOR	Brown	Neg	0.03	0.03	< LOD	5.56	1.32	AM
206,208,210 Bates	108	5/9/2012 13:37	1	Living Room	Lower S	A	WINDOW sash	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.59	4.69	AM
206,208,210 Bates	109	5/9/2012 13:38	1	Living Room	Lower S	A	WINDOW ledge	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5	2.79	AM
206,208,210 Bates	110	5/9/2012 13:38	1	Living Room	Lower S	A	WALL	Drywall	POOR	WHITE	POS	2.3	< LOD	2.3	7.79	2.48	AM
206,208,210 Bates	111	5/9/2012 13:39	1	Living Room	Lower S	B	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.23	AM
206,208,210 Bates	112	5/9/2012 13:39	1	Living Room	Lower S	C	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1	AM
206,208,210 Bates	113	5/9/2012 13:40	1	Living Room	Lower S	D	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.71	1.76	AM
206,208,210 Bates	114	5/9/2012 13:40	1	Living Room	Lower S		CEILING	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.83	1	AM
206,208,210 Bates	115	5/9/2012 13:42	1	KITCHEN	Lower S		CEILING	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.79	2.56	AM
206,208,210 Bates	116	5/9/2012 13:42	1	KITCHEN	Lower S	A	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
206,208,210 Bates	117	5/9/2012 13:42	1	KITCHEN	Lower S	B	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1.3	AM
206,208,210 Bates	118	5/9/2012 13:43	1	KITCHEN	Lower S	C	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.13	3.31	AM
206,208,210 Bates	119	5/9/2012 13:43	1	KITCHEN	Lower S	D	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Age	Side	Component	Substrate	Condition	Color	Results	PbC	Pbt	PbK	Duration	Depth	Insp.
206,208,210 Bates	120	5/9/2012 13:43	1	KITCHEN	Lower S	D	BASEBOARD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1.91	AM
206,208,210 Bates	121	5/9/2012 13:44	1	KITCHEN	Lower S	B	DOOR casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	122	5/9/2012 13:45	1	KITCHEN	Lower S	B	DOOR	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.6	1	AM
206,208,210 Bates	123	5/9/2012 13:45	1	KITCHEN	Lower S	B	DOOR jamb	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.61	1	AM
206,208,210 Bates	124	5/9/2012 13:45	1	KITCHEN	Lower S	D	CLOSET dr	METAL	INTACT	GREEN	Neg	< LOD	< LOD	< LOD	5.02	1.69	AM
206,208,210 Bates	125	5/9/2012 13:46	1	KITCHEN	Lower S	D	CLOSET dr jamb	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	126	5/9/2012 13:46	1	KITCHEN	Lower S	D	CLOSET wall	PLASTER	POOR	GREEN	Neg	0.04	0.04	< LOD	7.26	1	AM
206,208,210 Bates	127	5/9/2012 13:47	1	KITCHEN	Lower S	D	CLOSET wall	WOOD	POOR	grey	Neg	0.04	0.04	< LOD	5.02	1.01	AM
206,208,210 Bates	128	5/9/2012 13:47	1	KITCHEN	Lower S		CLOSET floor	Concrete	POOR	grey	Neg	< LOD	< LOD	< LOD	9.48	4.83	AM
206,208,210 Bates	129	5/9/2012 13:48	1	KITCHEN	Lower S		FLOOR	vinyl	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
206,208,210 Bates	130	5/9/2012 13:48	1	BATHROOM	Lower S		FLOOR	vinyl	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	131	5/9/2012 13:49	1	BATHROOM	Lower S	D	DOOR casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.02	1	AM
206,208,210 Bates	132	5/9/2012 13:49	1	BATHROOM	Lower S	A	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1.09	AM
206,208,210 Bates	133	5/9/2012 13:50	1	BATHROOM	Lower S	B	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.58	4.2	AM
206,208,210 Bates	134	5/9/2012 13:50	1	BATHROOM	Lower S	C	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.12	2.03	AM
206,208,210 Bates	135	5/9/2012 13:50	1	BATHROOM	Lower S	D	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	136	5/9/2012 13:50	1	BATHROOM	Lower S		CEILING	Drywall	POOR	WHITE	Null	< LOD	< LOD	< LOD	0.56	1	AM
206,208,210 Bates	137	5/9/2012 13:50	1	BATHROOM	Lower S		CEILING	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
206,208,210 Bates	138	5/9/2012 13:53	1	BEDROOM 1	Lower S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	3.31	AM
206,208,210 Bates	139	5/9/2012 13:53	1	BEDROOM 1	Lower S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1.53	AM
206,208,210 Bates	140	5/9/2012 13:54	1	BEDROOM 1	Lower S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.7	1	AM
206,208,210 Bates	141	5/9/2012 13:54	1	BEDROOM 1	Lower S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.23	1	AM
206,208,210 Bates	142	5/9/2012 13:54	1	BEDROOM 1	Lower S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	2.33	AM
206,208,210 Bates	143	5/9/2012 13:54	1	BEDROOM 1	Lower S	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.23	10	AM
206,208,210 Bates	144	5/9/2012 13:55	1	BEDROOM 1	Lower S	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
206,208,210 Bates	145	5/9/2012 13:56	1	BEDROOM 2	Lower S	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	2.28	AM
206,208,210 Bates	146	5/9/2012 13:56	1	BEDROOM 2	Lower S	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
206,208,210 Bates	147	5/9/2012 13:56	1	BEDROOM 2	Lower S	D	WINDOW casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
206,208,210 Bates	148	5/9/2012 13:57	1	BEDROOM 2	Lower S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
206,208,210 Bates	149	5/9/2012 13:57	1	BEDROOM 2	Lower S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.12	1	AM
206,208,210 Bates	150	5/9/2012 13:57	1	BEDROOM 2	Lower S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.7	1.27	AM
206,208,210 Bates	151	5/9/2012 13:58	1	BEDROOM 2	Lower S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
206,208,210 Bates	152	5/9/2012 13:58	1	BEDROOM 3	Lower S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.02	1	AM
206,208,210 Bates	153	5/9/2012 13:59	1	BEDROOM 3	Lower S	A	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.12	2.83	AM
206,208,210 Bates	154	5/9/2012 13:59	1	BEDROOM 3	Lower S	B	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
206,208,210 Bates	155	5/9/2012 13:59	1	BEDROOM 3	Lower S	C	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
206,208,210 Bates	156	5/9/2012 13:59	1	BEDROOM 3	Lower S	D	WALL	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.23	1	AM
206,208,210 Bates	157	5/9/2012 14:00	1	BEDROOM 3	Lower S	B	CLOSET wall	Drywall	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
206,208,210 Bates	158	5/9/2012 14:00	1	BEDROOM 3	Lower S	B	CLOSET DR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
206,208,210 Bates	159	5/9/2012 14:01	1	BEDROOM 3	Lower S	A	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.47	5.9	AM
206,208,210 Bates	160	5/9/2012 14:01	1	BEDROOM 3	Lower S	A	BASEBOARD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF#	Date/Time	Floor	Room	Apt.	Side	Component	Substrate	Condition	Color	Results	Pb	Pb	Pb	Duration	Depth	Insp.
206,208,210 Bates	161	5/9/2012 14:04		OUTSIDE		A	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.18	1	AM
206,208,210 Bates	162	5/9/2012 14:04		OUTSIDE		A	DOOR CASING	WOOD	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
206,208,210 Bates	163	5/9/2012 14:05		OUTSIDE		A	SIDING	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.56	5.49	AM
206,208,210 Bates	164	5/9/2012 14:05		OUTSIDE		A	SIDING	WOOD	POOR	BEIGE	Neg	0.16	0.16	< LOD	9.47	7.85	AM
206,208,210 Bates	165	5/9/2012 14:05		OUTSIDE		A	SIDING	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	9.49	6.42	AM
206,208,210 Bates	166	5/9/2012 14:07		OUTSIDE		A	WALL	BRICK	POOR	Brown	Neg	0.8	0.3	0.8	60	10	AM
206,208,210 Bates	167	5/9/2012 14:08		OUTSIDE		A	WaLL	BRICK	POOR	Brown	Neg	0.5	0.5	1	16.74	4.81	AM
206,208,210 Bates	168	5/9/2012 14:19		OUTSIDE		A	WALL	BRICK	POOR	Brown	Neg	0.8	0.8	0.9	19.56	5.66	AM
206,208,210 Bates	169	5/9/2012 14:19		OUTSIDE		A	WaLL	BRICK	POOR	Brown	POS	10.6	2.2	10.6	5.55	7.83	AM
206,208,210 Bates	170	5/9/2012 14:20		OUTSIDE		B	WaLL	BRICK	POOR	BEIGE	POS	1.1	1.1	1.2	35.12	7.8	AM
206,208,210 Bates	171	5/9/2012 14:21		OUTSIDE		B	WALL	Concrete	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	3.34	4.33	AM
206,208,210 Bates	172	5/9/2012 14:21		OUTSIDE		B	WalL	Concrete	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	8.95	4.39	AM
206,208,210 Bates	173	5/9/2012 14:21		OUTSIDE		B	WalL	Concrete	POOR	BEIGE	Null	< LOD	< LOD	< LOD	2.24	1	AM
206,208,210 Bates	174	5/9/2012 14:21		OUTSIDE		B	WaLL	Concrete	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	9.49	6.25	AM
206,208,210 Bates	175	5/9/2012 14:26		OUTSIDE		B	TRIM	WOOD	POOR	Brown	POS	9.9	3.4	9.9	5.55	6.72	AM
206,208,210 Bates	176	5/9/2012 14:28		OUTSIDE		B	TRIM	WOOD	POOR	Brown	POS	10.3	3.3	10.3	5.59	6.38	AM
206,208,210 Bates	177	5/9/2012 14:28		OUTSIDE		B	TRIM	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	1.68	5.76	AM
206,208,210 Bates	178	5/9/2012 14:29		OUTSIDE		B	TRIM	WOOD	POOR	BEIGE	POS	2	1.4	2	11.73	10	AM
206,208,210 Bates	179	5/9/2012 14:29		OUTSIDE		B	WINDOW SILL	WOOD	POOR	Brown	Neg	0.7	0.7	< LOD	7.81	2.16	AM
206,208,210 Bates	180	5/9/2012 14:29		OUTSIDE		B	WINDOW SILL	WOOD	POOR	Brown	Neg	0.7	0.7	0.9	8.36	2.5	AM
206,208,210 Bates	181	5/9/2012 14:29		OUTSIDE		B	WINDOW SILL	WOOD	POOR	Brown	Neg	0.4	0.4	< LOD	1.67	2.09	AM
206,208,210 Bates	182	5/9/2012 14:30		OUTSIDE		B	WINDOW SILL	WOOD	POOR	Brown	Neg	0.8	0.8	1	10.05	3.69	AM
206,208,210 Bates	183	5/9/2012 14:30		OUTSIDE		B	WINDOW SILL	WOOD	POOR	Brown	POS	4.2	1.4	4.2	6.67	10	AM
206,208,210 Bates	184	5/9/2012 14:30		OUTSIDE		A	SOFFIT	WOOD	POOR	Brown	POS	10.4	3.6	10.4	5.54	6.36	AM
206,208,210 Bates	185	5/9/2012 14:31		OUTSIDE		D	WINDOW SILL	Concrete	POOR	Brown	Neg	0.11	0.11	< LOD	7.81	3.57	AM
206,208,210 Bates	186	5/9/2012 14:32		OUTSIDE		D	WALL	Concrete	POOR	BEIGE	Neg	0.4	0.4	1.1	19.49	6.59	AM
206,208,210 Bates	187	5/9/2012 14:32		OUTSIDE		D	waLL	Concrete	POOR	BEIGE	Null	< LOD	< LOD	< LOD	2.79	3.56	AM
206,208,210 Bates	188	5/9/2012 14:33		OUTSIDE		D	WalL	BRICK	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	7.78	4.21	AM
206,208,210 Bates	189	5/9/2012 14:33		OUTSIDE		D	WalL	BRICK	POOR	BEIGE	Null	< LOD	< LOD	< LOD	2.23	10	AM
206,208,210 Bates	190	5/9/2012 14:34		OUTSIDE		C	SIDING	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
206,208,210 Bates	191	5/9/2012 14:34		OUTSIDE		C	SIDING	WOOD	POOR	BEIGE	Neg	0.4	0.4	< LOD	5.56	6.94	AM
206,208,210 Bates	192	5/9/2012 14:34		OUTSIDE		C	SIDING	WOOD	POOR	BEIGE	Neg	0.6	0.4	0.6	19.5	10	AM
206,208,210 Bates	193	5/9/2012 14:36		OUTSIDE		D	WINDOW CASING	WOOD	POOR	Brown	POS	12.7	3.9	12.7	5.01	6.77	AM
206,208,210 Bates	194	5/9/2012 14:37					CALIBRATE				POS	1	1	< LOD	24.5	1.08	AM
206,208,210 Bates	195	5/9/2012 14:38					CALIBRATE				POS	1	1	0.8	23.51	1.09	AM
206,208,210 Bates	196	5/9/2012 14:38					CALIBRATE				POS	1	1	0.5	24.54	1.05	AM
	197	5/10/2012 14:21										6.46	1.24	0	44.33		AM
BATES QUADPLEX	198	5/10/2012 14:25					calibrate				POS	1	1	< LOD	24.54	1.1	AM
BATES QUADPLEX	199	5/10/2012 14:25					calibrate				POS	1.1	1.1	< LOD	19.49	1.12	AM
BATES QUADPLEX	200	5/10/2012 14:26					calibrate				POS	1	1	< LOD	24.51	1.08	AM
BATES QUADPLEX	201	5/10/2012 14:50	2	Hall & Entry	Common	A	DOOR	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF#	Date/Time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	Pb	Pb	Pb	Duration	Depth	Insp.
BATES QUADPLEX	202	5/10/2012 14:51	2	Hall & Entry	Common	A	DOOR JAMB	WOOD	POOR	GREEN	POS	8.6	1.9	8.6	5.59	2.21	AM
BATES QUADPLEX	203	5/10/2012 14:51	2	Hall & Entry	Common	C	TREAD	WOOD	POOR	RED	Neg	0.04	0.04	< LOD	5.57	1.35	AM
BATES QUADPLEX	204	5/10/2012 14:52	2	Hall & Entry	Common	C	TREAD	WOOD	POOR	RED	Neg	0.1	0.1	< LOD	6.15	1.81	AM
BATES QUADPLEX	205	5/10/2012 14:52	2	Hall & Entry	Common	C	RISER	WOOD	POOR	RED	Neg	< LOD	< LOD	< LOD	2.22	2.11	AM
BATES QUADPLEX	206	5/10/2012 14:52	2	Hall & Entry	Common	C	RISER	WOOD	POOR	RED	Neg	0.18	0.18	< LOD	4.44	1.37	AM
BATES QUADPLEX	207	5/10/2012 14:53	2	Hall & Entry	Common	D	HAND RAIL	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	5.57	1.24	AM
BATES QUADPLEX	208	5/10/2012 14:53	2	Hall & Entry	Common	D	LOWER WALL	WOOD	POOR	WHITE	POS	6.1	6.5	6.1	5.58	4.66	AM
BATES QUADPLEX	209	5/10/2012 14:53	2	Hall & Entry	Common	B	LOWER WALL	WOOD	POOR	WHITE	POS	6.3	6.9	6.3	5.01	5.55	AM
BATES QUADPLEX	210	5/10/2012 14:54	2	Hall & Entry	Common	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1.6	AM
BATES QUADPLEX	211	5/10/2012 14:55	2	Hall & Entry	Common	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1.14	AM
BATES QUADPLEX	212	5/10/2012 14:55	2	Hall & Entry	Common	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.71	2.84	AM
BATES QUADPLEX	213	5/10/2012 14:55	2	Hall & Entry	Common	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	214	5/10/2012 14:56	2	Hall & Entry	Common		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.66	1	AM
BATES QUADPLEX	215	5/10/2012 14:57	2	HALL	Upper N	A	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.05	1	AM
BATES QUADPLEX	216	5/10/2012 14:58	2	HALL	Upper N	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	217	5/10/2012 14:58	2	HALL	Upper N	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	218	5/10/2012 14:59	2	HALL	Upper N	C	CLOSET dr	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.55	1.22	AM
BATES QUADPLEX	219	5/10/2012 15:00	2	HALL	Upper N	C	Clst Shelf Support	WOOD	INTACT	grey	POS	9.2	7	9.2	5.01	2.53	AM
BATES QUADPLEX	220	5/10/2012 15:00	2	HALL	Upper N	C	CLOSET WALL	PLASTER	POOR	grey	Neg	< LOD	< LOD	< LOD	6.7	1	AM
BATES QUADPLEX	221	5/10/2012 15:01	2	HALL	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	2.85	AM
BATES QUADPLEX	222	5/10/2012 15:01	2	HALL	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1	AM
BATES QUADPLEX	223	5/10/2012 15:02	2	HALL	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.65	1	AM
BATES QUADPLEX	224	5/10/2012 15:02	2	HALL	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
BATES QUADPLEX	225	5/10/2012 15:02	2	HALL	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
BATES QUADPLEX	226	5/10/2012 15:03	2	Living Room	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	1.87	AM
BATES QUADPLEX	227	5/10/2012 15:04	2	Living Room	Upper N	D	CLOSET DR	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	9.47	1.11	AM
BATES QUADPLEX	228	5/10/2012 15:04	2	Living Room	Upper N	D	CLOSET DR CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
BATES QUADPLEX	229	5/10/2012 15:05	2	Living Room	Upper N	D	Clst Shelf Support	WOOD	INTACT	WHITE	POS	9.6	3.8	9.6	5.57	10	AM
BATES QUADPLEX	230	5/10/2012 15:06	2	Living Room	Upper N	D	Clst Baseboard	WOOD	INTACT	WHITE	POS	9.5	10.1	9.5	5.01	6.24	AM
BATES QUADPLEX	231	5/10/2012 15:06	2	Living Room	Upper N	D	CLOSET WALL	PLASTER	POOR	WHITE	Neg	0.5	0.5	< LOD	10.02	4.74	AM
BATES QUADPLEX	232	5/10/2012 15:06	2	Living Room	Upper N	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
BATES QUADPLEX	233	5/10/2012 15:07	2	Living Room	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
BATES QUADPLEX	234	5/10/2012 15:07	2	Living Room	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
BATES QUADPLEX	235	5/10/2012 15:08	2	Living Room	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.78	1.64	AM
BATES QUADPLEX	236	5/10/2012 15:08	2	Living Room	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	237	5/10/2012 15:08	2	KITCHEN	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.75	1	AM
BATES QUADPLEX	238	5/10/2012 15:09	2	KITCHEN	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
BATES QUADPLEX	239	5/10/2012 15:09	2	KITCHEN	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	10.6	2.1	AM
BATES QUADPLEX	240	5/10/2012 15:09	2	KITCHEN	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1	AM
BATES QUADPLEX	241	5/10/2012 15:10	2	KITCHEN	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.53	1	AM
BATES QUADPLEX	242	5/10/2012 15:10	2	KITCHEN	Upper N		FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.31	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF#	Date/time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	Pb	Pb	Pb	Duration	Depth	Insp
BATES QUADPLEX	243	5/10/2012 15:11	2	KITCHEN	Upper N	C	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	244	5/10/2012 15:11	2	KITCHEN	Upper N	B	WINDOW CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
BATES QUADPLEX	245	5/10/2012 15:11	2	KITCHEN	Upper N	B	WINDOW CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1.93	AM
BATES QUADPLEX	246	5/10/2012 15:12	2	KITCHEN	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1.23	AM
BATES QUADPLEX	247	5/10/2012 15:12	2	KITCHEN	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.19	1	AM
BATES QUADPLEX	248	5/10/2012 15:13	2	KITCHEN	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.45	2.05	AM
BATES QUADPLEX	249	5/10/2012 15:13	2	KITCHEN	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
BATES QUADPLEX	250	5/10/2012 15:14	2	Bath 1	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1.97	AM
BATES QUADPLEX	251	5/10/2012 15:14	2	Bath 1	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	2.66	AM
BATES QUADPLEX	252	5/10/2012 15:14	2	Bath 1	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1	AM
BATES QUADPLEX	253	5/10/2012 15:14	2	Bath 1	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	1	AM
BATES QUADPLEX	254	5/10/2012 15:15	2	Bath 1	Upper N	C	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.6	1	AM
BATES QUADPLEX	255	5/10/2012 15:15	2	Bath 1	Upper N	C	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5	1	AM
BATES QUADPLEX	256	5/10/2012 15:15	2	Bath 1	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1.08	AM
BATES QUADPLEX	257	5/10/2012 15:16	2	Bath 1	Upper N		FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	258	5/10/2012 15:17	2	Bath 2	Upper N		FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.12	1	AM
BATES QUADPLEX	259	5/10/2012 15:18	2	Bath 2	Upper N	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	260	5/10/2012 15:19	2	Bath 2	Upper N	A	WINDOW sash	WOOD	POOR	Brown	POS	11.7	4.9	11.7	5.03	6.81	AM
BATES QUADPLEX	261	5/10/2012 15:19	2	Bath 2	Upper N	A	Wndw Part Bead	WOOD	POOR	Brown	POS	5.6	2	5.6	6.09	2.31	AM
BATES QUADPLEX	262	5/10/2012 15:20	2	Bath 2	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1	AM
BATES QUADPLEX	263	5/10/2012 15:20	2	Bath 2	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.65	1.19	AM
BATES QUADPLEX	264	5/10/2012 15:20	2	Bath 2	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	265	5/10/2012 15:21	2	Bath 2	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1.52	AM
BATES QUADPLEX	266	5/10/2012 15:21	2	Bath 2	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	2.73	AM
BATES QUADPLEX	267	5/10/2012 15:22	2	BEDROOM 1	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.09	1.49	AM
BATES QUADPLEX	268	5/10/2012 15:22	2	BEDROOM 1	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.79	1	AM
BATES QUADPLEX	269	5/10/2012 15:22	2	BEDROOM 1	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.66	3.17	AM
BATES QUADPLEX	270	5/10/2012 15:23	2	BEDROOM 1	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	11.09	1	AM
BATES QUADPLEX	271	5/10/2012 15:23	2	BEDROOM 1	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.79	1	AM
BATES QUADPLEX	272	5/10/2012 15:23	2	BEDROOM 1	Upper N	C	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1.79	AM
BATES QUADPLEX	273	5/10/2012 15:24	2	BEDROOM 1	Upper N	C	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1	AM
BATES QUADPLEX	274	5/10/2012 15:24	2	BEDROOM 1	Upper N	A	WINDOW sill	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.56	1.54	AM
BATES QUADPLEX	275	5/10/2012 15:24	2	BEDROOM 1	Upper N	A	WINDOW sill	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.56	1.91	AM
BATES QUADPLEX	276	5/10/2012 15:25	2	BEDROOM 1	Upper N	A	WINDOW sill	WOOD	POOR	Brown	Neg	< LOD	< LOD	< LOD	2.78	2.35	AM
BATES QUADPLEX	277	5/10/2012 15:25	2	BEDROOM 1	Upper N	A	WINDOW sill	WOOD	POOR	Brown	Neg	0.15	0.15	< LOD	5.58	1.92	AM
BATES QUADPLEX	278	5/10/2012 15:25	2	BEDROOM 1	Upper N	A	WINDOW sash	WOOD	POOR	Brown	Neg	0.17	0.17	< LOD	5.58	1.78	AM
BATES QUADPLEX	279	5/10/2012 15:25	2	BEDROOM 1	Upper N	A	WINDOW sash	WOOD	POOR	Brown	Neg	0.03	0.03	< LOD	5.59	1.39	AM
BATES QUADPLEX	280	5/10/2012 15:27	2	BEDROOM 2	Upper N	D	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	1.02	AM
BATES QUADPLEX	281	5/10/2012 15:27	2	BEDROOM 2	Upper N	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	282	5/10/2012 15:28	2	BEDROOM 2	Upper N	D	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1.79	AM
BATES QUADPLEX	283	5/10/2012 15:28	2	BEDROOM 2	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
BATES QUADPLEX	284	5/10/2012 15:28	2	BEDROOM 2	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	14.44	1.24	AM
BATES QUADPLEX	285	5/10/2012 15:29	2	BEDROOM 2	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1	AM
BATES QUADPLEX	286	5/10/2012 15:29	2	BEDROOM 2	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.7	1	AM
BATES QUADPLEX	287	5/10/2012 15:29	2	BEDROOM 2	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	3.72	AM
BATES QUADPLEX	288	5/10/2012 15:30	2	BEDROOM 3	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
BATES QUADPLEX	289	5/10/2012 15:31	2	BEDROOM 3	Upper N	D	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	290	5/10/2012 15:31	2	BEDROOM 3	Upper N	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.02	1.97	AM
BATES QUADPLEX	291	5/10/2012 15:31	2	BEDROOM 3	Upper N	B	WINDOW CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.55	2.45	AM
BATES QUADPLEX	292	5/10/2012 15:32	2	BEDROOM 3	Upper N	A	CLOSET WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.65	1	AM
BATES QUADPLEX	293	5/10/2012 15:32	2	BEDROOM 3	Upper N	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.37	1	AM
BATES QUADPLEX	294	5/10/2012 15:32	2	BEDROOM 3	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	295	5/10/2012 15:33	2	BEDROOM 3	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.72	1	AM
BATES QUADPLEX	296	5/10/2012 15:33	2	BEDROOM 3	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.67	1	AM
BATES QUADPLEX	297	5/10/2012 15:34	2	BEDROOM 4	Upper N	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5	1	AM
BATES QUADPLEX	298	5/10/2012 15:34	2	BEDROOM 4	Upper N	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	299	5/10/2012 15:35	2	BEDROOM 4	Upper N	B	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	11.12	4.49	AM
BATES QUADPLEX	300	5/10/2012 15:35	2	BEDROOM 4	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.96	AM
BATES QUADPLEX	301	5/10/2012 15:36	2	BEDROOM 4	Upper N	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.54	2.85	AM
BATES QUADPLEX	302	5/10/2012 15:36	2	BEDROOM 4	Upper N	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	1	AM
BATES QUADPLEX	303	5/10/2012 15:36	2	BEDROOM 4	Upper N	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	2.14	AM
BATES QUADPLEX	304	5/10/2012 15:37	2	BEDROOM 4	Upper N		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	305	5/10/2012 15:40	2	HALL	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
BATES QUADPLEX	306	5/10/2012 15:40	2	HALL	Upper S	B	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	307	5/10/2012 15:41	2	HALL	Upper S	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	2.45	AM
BATES QUADPLEX	308	5/10/2012 15:41	2	HALL	Upper S	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1.26	AM
BATES QUADPLEX	309	5/10/2012 15:42	2	HALL	Upper S	C	Clst Shelf Support	WOOD	POOR	grey	POS	5.5	5.4	5.5	8.38	2.01	AM
BATES QUADPLEX	310	5/10/2012 15:43	2	HALL	Upper S	C	CLOSET wall	PLASTER	POOR	grey	POS	2.1	2.1	2.4	5.56	1.78	AM
BATES QUADPLEX	311	5/10/2012 15:43	2	HALL	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	312	5/10/2012 15:43	2	HALL	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.38	AM
BATES QUADPLEX	313	5/10/2012 15:44	2	HALL	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1	AM
BATES QUADPLEX	314	5/10/2012 15:44	2	HALL	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.14	1.68	AM
BATES QUADPLEX	315	5/10/2012 15:45	2	Living Room	Upper S	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	316	5/10/2012 15:46	2	Living Room	Upper S	B	CLOSET dr	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.49	1.49	AM
BATES QUADPLEX	317	5/10/2012 15:46	2	Living Room	Upper S	B	Clst Shelf Support	WOOD	INTACT	WHITE	POS	7.8	8	7.8	6.67	3.51	AM
BATES QUADPLEX	318	5/10/2012 15:48	2	Living Room	Upper S	B	CLOSET wall	PLASTER	POOR	WHITE	POS	4.4	4.4	5	8.37	3.34	AM
BATES QUADPLEX	319	5/10/2012 15:48	2	Living Room	Upper S	B	Wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	320	5/10/2012 15:48	2	Living Room	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5	1	AM
BATES QUADPLEX	321	5/10/2012 15:49	2	Living Room	Upper S	D	WALL	Drywall	INTACT	WHITE	Null	< LOD	< LOD	< LOD	1.1	1	AM
BATES QUADPLEX	322	5/10/2012 15:49	2	Living Room	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.33	1	AM
BATES QUADPLEX	323	5/10/2012 15:49	2	Living Room	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
BATES QUADPLEX	324	5/10/2012 15:49	2	Living Room	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.1	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF #	Date/time	Floor	Room	Apt	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp
BATES QUADPLEX	325	5/10/2012 15:50	2	Living Room	Upper S	D	WINDOW casing	WOOD	POOR	WHITE	POS	17.1	3.7	17.1	8.92	2	AM
BATES QUADPLEX	326	5/10/2012 15:51	2	KITCHEN	Upper S	D	WINDOW casing	WOOD	POOR	WHITE	POS	11.4	4.3	11.4	5	1.72	AM
BATES QUADPLEX	327	5/10/2012 15:52	2	KITCHEN	Upper S	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	10.05	1.35	AM
BATES QUADPLEX	328	5/10/2012 15:52	2	KITCHEN	Upper S	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.61	1	AM
BATES QUADPLEX	329	5/10/2012 15:52	2	KITCHEN	Upper S		FLOOR	vinyl	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.79	1	AM
BATES QUADPLEX	330	5/10/2012 15:54	2	KITCHEN	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.95	1	AM
BATES QUADPLEX	331	5/10/2012 15:54	2	KITCHEN	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.98	1	AM
BATES QUADPLEX	332	5/10/2012 15:54	2	KITCHEN	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.47	2.02	AM
BATES QUADPLEX	333	5/10/2012 15:55	2	KITCHEN	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.93	AM
BATES QUADPLEX	334	5/10/2012 15:55	2	KITCHEN	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.78	1.79	AM
BATES QUADPLEX	335	5/10/2012 16:04	2	Bath 1	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1	AM
BATES QUADPLEX	336	5/10/2012 16:04	2	Bath 1	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1	AM
BATES QUADPLEX	337	5/10/2012 16:04	2	Bath 1	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	1	AM
BATES QUADPLEX	338	5/10/2012 16:05	2	Bath 1	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1.16	AM
BATES QUADPLEX	339	5/10/2012 16:05	2	Bath 1	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.59	1	AM
BATES QUADPLEX	340	5/10/2012 16:05	2	Bath 1	Upper S	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	341	5/10/2012 16:06	2	Bath 1	Upper S	C	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.03	1	AM
BATES QUADPLEX	342	5/10/2012 16:06	2	Bath 1	Upper S		FLOOR	vinyl	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.54	1	AM
BATES QUADPLEX	343	5/10/2012 16:07	2	Bath 2	Upper S		FLOOR	vinyl	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	344	5/10/2012 16:08	2	Bath 2	Upper S	D	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.91	1.36	AM
BATES QUADPLEX	345	5/10/2012 16:09	2	Bath 2	Upper S	A	WINDOW CASING	WOOD	POOR	Brown	POS	14	1.5	14	9.45	3.21	AM
BATES QUADPLEX	346	5/10/2012 16:09	2	Bath 2	Upper S	A	WINDOW SASH	WOOD	POOR	Brown	POS	13.3	4.3	13.3	5.57	8.16	AM
BATES QUADPLEX	347	5/10/2012 16:09	2	Bath 2	Upper S	B	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1.62	AM
BATES QUADPLEX	348	5/10/2012 16:09	2	Bath 2	Upper S	C	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1	AM
BATES QUADPLEX	349	5/10/2012 16:10	2	Bath 2	Upper S	D	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.15	3.81	AM
BATES QUADPLEX	350	5/10/2012 16:10	2	Bath 2	Upper S	A	WALL	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
BATES QUADPLEX	351	5/10/2012 16:10	2	Bath 2	Upper S		CEILING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1.4	AM
BATES QUADPLEX	352	5/10/2012 16:11	2	BEDROOM 1	Upper S		CEILING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.71	1	AM
BATES QUADPLEX	353	5/10/2012 16:11	2	BEDROOM 1	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1.2	AM
BATES QUADPLEX	354	5/10/2012 16:12	2	BEDROOM 1	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.89	1	AM
BATES QUADPLEX	355	5/10/2012 16:12	2	BEDROOM 1	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1.17	AM
BATES QUADPLEX	356	5/10/2012 16:12	2	BEDROOM 1	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.78	1.89	AM
BATES QUADPLEX	357	5/10/2012 16:13	2	BEDROOM 1	Upper S	D	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.99	1.85	AM
BATES QUADPLEX	358	5/10/2012 16:13	2	BEDROOM 1	Upper S	C	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
BATES QUADPLEX	359	5/10/2012 16:14	2	BEDROOM 2	Upper S	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	360	5/10/2012 16:14	2	BEDROOM 2	Upper S	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.45	1.95	AM
BATES QUADPLEX	361	5/10/2012 16:14	2	BEDROOM 2	Upper S	D	WINDOW sill	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1.5	AM
BATES QUADPLEX	362	5/10/2012 16:15	2	BEDROOM 2	Upper S	D	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1.04	AM
BATES QUADPLEX	363	5/10/2012 16:15	2	BEDROOM 2	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.97	1	AM
BATES QUADPLEX	364	5/10/2012 16:15	2	BEDROOM 2	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.54	1	AM
BATES QUADPLEX	365	5/10/2012 16:16	2	BEDROOM 2	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM

All Phase Companies
206, 208, 210 Bates Avenue
St. Paul MN

Site	XRF#	Date/Time	Floor	Room	Age	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
BATES QUADPLEX	366	5/10/2012 16:16	2	BEDROOM 2	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.12	1	AM
BATES QUADPLEX	367	5/10/2012 16:16	2	BEDROOM 2	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	1.45	AM
BATES QUADPLEX	368	5/10/2012 16:17	2	BEDROOM 3	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	1	AM
BATES QUADPLEX	369	5/10/2012 16:18	2	BEDROOM 3	Upper S	B	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.61	1	AM
BATES QUADPLEX	370	5/10/2012 16:18	2	BEDROOM 3	Upper S	B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1	AM
BATES QUADPLEX	371	5/10/2012 16:18	2	BEDROOM 3	Upper S	D	WINDOW casing	WOOD	POOR	WHITE	POS	27	2.8	27	5.02	2.77	AM
BATES QUADPLEX	372	5/10/2012 16:19	2	BEDROOM 3	Upper S	A	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.56	1.35	AM
BATES QUADPLEX	373	5/10/2012 16:19	2	BEDROOM 3	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
BATES QUADPLEX	374	5/10/2012 16:20	2	BEDROOM 3	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.11	1	AM
BATES QUADPLEX	375	5/10/2012 16:20	2	BEDROOM 3	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.09	1	AM
BATES QUADPLEX	376	5/10/2012 16:20	2	BEDROOM 3	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.69	2.34	AM
BATES QUADPLEX	377	5/10/2012 16:21	2	BEDROOM 4	Upper S	A	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	1.1	1	AM
BATES QUADPLEX	378	5/10/2012 16:21	2	BEDROOM 4	Upper S	A	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1	AM
BATES QUADPLEX	379	5/10/2012 16:22	2	BEDROOM 4	Upper S	B	CLOSET wall	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1.04	AM
BATES QUADPLEX	380	5/10/2012 16:22	2	BEDROOM 4	Upper S	B	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.58	1.68	AM
BATES QUADPLEX	381	5/10/2012 16:22	2	BEDROOM 4	Upper S	C	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.13	1	AM
BATES QUADPLEX	382	5/10/2012 16:23	2	BEDROOM 4	Upper S	D	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.22	2.06	AM
BATES QUADPLEX	383	5/10/2012 16:23	2	BEDROOM 4	Upper S	A	WALL	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.57	1.28	AM
BATES QUADPLEX	384	5/10/2012 16:23	2	BEDROOM 4	Upper S		CEILING	Drywall	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.68	1	AM
BATES QUADPLEX	385	5/10/2012 16:24					calibrate				POS	1	1	0.7	24.55	1.07	AM
BATES QUADPLEX	386	5/10/2012 16:25					calibrate				POS	1	1	< LOD	24.55	1.07	AM
BATES QUADPLEX	387	5/10/2012 16:26					calibrate				POS	1.1	1.1	< LOD	15.08	1.1	AM

Description of Column Titles

Site: The sequential number of the site (homes or buildings) inspected on a particular day.

No: The sequential XRF sample number for a given site.

XL No/Map: The sample number recorded on the maps of a particular site.

Date: Date that the XRF sample was analyzed.

Time: Time of XRF sample analysis.

Floor: The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).

Room: The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.

Side: Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are **A, B, C,** and **D.**

Structure: This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.

Feature: Specifies additional information about a structure.

Condition: Describes whether the surface being tested is **Intact:** good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

Substrate: Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.

Color: Color of surface tested.

Result: The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.

PbL(mg/cm^2): The lead concentration as determined with L-shell X-ray data.

RES: Results: POS - above action level, NEG - below action level.

PbK: The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.

PbC: The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.

Depth: This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.

Duration: The length of the XRF sample analysis in seconds.

Inspector: When multiple inspectors are used, this number indicates who sampled at the time indicated.

Note: This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A,** and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX C

LABORATORY RESULTS
CHAIN-OF-CUSTODY

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0512C, 206,208,210 Bates Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 05/08/12 9:22 AM
EMSL Order: 351202779

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*Area Sampled*	*RDL*	*Lead Concentration*	*Notes*
0001	5/8/2012	144 in²	10 µg/ft²	54 µg/ft²	Site: Living Rm Floor Side A adj. entry
Client Sample 502/0512C-W1					*Collected:* 5/7/2012
0002	5/8/2012	36 in²	40 µg/ft²	300 µg/ft²	Site: Living Rm, Side A Stool Right
Client Sample 502/0512C-W2					*Collected:* 5/7/2012
0003	5/8/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: BedRm 2, Side B, Floor Under Window
Client Sample 502/0512C-W3					*Collected:* 5/7/2012
0004	5/8/2012	36 in²	40 µg/ft²	45 µg/ft²	Site: BedRm 2, Side B, Stool
Client Sample 502/0512C-W4					*Collected:* 5/7/2012
0005	5/8/2012	144 in²	10 µg/ft²	31 µg/ft²	Site: Kitchen, Side C, Floor
Client Sample 502/0512C-W5					*Collected:* 5/7/2012
0006	5/8/2012	144 in²	200 µg/ft²	1600 µg/ft²	Site: Basement Laundry Rm Floor
Client Sample 502/0512C-W6					*Collected:* 5/7/2012
0007	5/8/2012	36 in²	40 µg/ft²	560 µg/ft²	Site: Stair Tread, 2nd From Bottom
Client Sample 502/0512C-W7					*Collected:* 5/7/2012
0008	5/8/2012	144 in²	10 µg/ft²	92 µg/ft²	Site: Unit B - West Bedroom Floor, Side A
Client Sample 502/0512C-W8					*Collected:* 5/7/2012

Initial report from 05/09/2012 12:16:35

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0512C, 206,208,210 Bates Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 05/08/12 9:22 AM
EMSL Order: 351202779

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0009	5/8/2012	36 in²	40 µg/ft²	470 µg/ft²	Site: Unit B, Left Side A, West Bedroom Stool
Client Sample 502/0512C-W9					*Collected:* 5/7/2012
0010	5/8/2012	144 in²	250 µg/ft²	3600 µg/ft²	Site: Unit A, Bath Side A, Floor Under Wdw
Client Sample 502/0512C-W10					*Collected:* 5/7/2012
0011	5/8/2012	36 in²	2000 µg/ft²	66000 µg/ft²	Site: Unit A, Bath Side A, Trough
Client Sample 502/0512C-W11					*Collected:* 5/7/2012
0012	5/8/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Unit A, Bedroom East Floor
Client Sample 502/0512C-W12					*Collected:* 5/7/2012
0013	5/8/2012	36 in²	800 µg/ft²	6900 µg/ft²	Site: Unit A, Bedroom East Trough
Client Sample 502/0512C-W13					*Collected:* 5/7/2012
0014	5/8/2012	36 in²	40 µg/ft²	<40 µg/ft²	Site: Side A Living Rm Floor Adj. Door
Client Sample 502/0512C-W14					*Collected:* 5/7/2012
0015	5/8/2012	36 in²	40 µg/ft²	91 µg/ft²	Site: Living Rm, Side A, Stool Left
Client Sample 502/0512C-W15					*Collected:* 5/7/2012
0016	5/8/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Bed Rm 1, Side D, Floor Under Window
Client Sample 502/0512C-W16					*Collected:* 5/7/2012
0017	5/8/2012	36 in²	40 µg/ft²	140 µg/ft²	Site: BedRm 1, Side D - Trough
Client Sample 502/0512C-W17					*Collected:* 5/7/2012

Initial report from 05/09/2012 12:16:35

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0512C, 206,208,210 Bates Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 05/08/12 9:22 AM
EMSL Order: 351202779

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*Area Sampled*	*RDL*	*Lead Concentration*	*Notes*
0018	5/8/2012	144 in²	200 µg/ft²	990 µg/ft²	Site: Kitchen Side C, Floor at Hall
Client Sample 502/0512C-W18					*Collected:* 5/7/2012
0019	5/8/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: BedRm 2, Side D, Floor Under Window
Client Sample 502/0512C-W19					*Collected:* 5/7/2012
0020	5/8/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: BedRm 4, Side B, Floor Under Window
Client Sample 502/0512C-W20					*Collected:* 5/7/2012

Initial report from 05/09/2012 12:16:35

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0512C, 206,208,210 Bates Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 05/08/12 9:22 AM
EMSL Order: 351202779

EMSL Proj:

Test Report: Lead in Soils by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*RDL*	*Lead Concentration*	*Notes*
0021	5/9/2012	40 mg/Kg	500 mg/Kg	Site: Bare Soil Side C & D
Client Sample 502/0512C-S1				*Collected:* 5/7/2012

Initial report from 05/09/2012 12:16:35

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. The QC data associated with these sample results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. *slight modification to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

2779

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW • Mora, MN 55051
763-691-0111 / 320-679-4054
Fax: 763-691-0145 / 320-679-4442

Client Address:
Contact: Greg Myers

CHAIN OF CUSTODY

Project Number: 502/0512C
Client: All Phase / City of St. Paul
Project: 206, 208, 210 Bates Ave. St. Paul, MN
Phone/Fax:

	Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
uw ut 210	502/0512C-W1	Living Rm Floor Side A adj entry	5/7/12 4:30p	1 ft²	Pb ug/ft²
	W2	Living Rm Side A Stool Right		2"x18"	
	W3	Bed Rm 2 Side B, Floor under window		1 ft²	
	W4	Bed Rm 2 Side B Stool		2"x18"	
	W5	Kitchen Side C, Floor Side A		1 ft²	
	W6	Basement Laundry Rm Floor		1 ft²	
Common stair ut 208	W7	Stair tread 2nd From bottom		2"x18"	
	W8	Unit B - West bedroom Floor Side A		1 ft²	
	W9	Unit B West bedroom Stool left side A		2"x18"	
	W10	Unit A Bath Side A, Floor under wdw		1 ft²	
	W11	Unit A Bath Side A Trough		2"x18"	
	W12	Unit A Bedroom East Floor		1 ft²	
	W13	Unit A Bedroom East Trough		2"x18"	
uw ut 200	W14	Side A Living Rm Floor adj door			

Sampled by: Greg Myers Date: 05/07/12 Time: 4:30p - 6:30p Delivered by: Fed Ex Date: 05/7/12 Time:
Received by: Date: Time: Delivered by: Date: Time:
Received by Lab: Crother FE Date: 5-8-12 Time: 9:22am Disposition of Samples:
Notes: Required Field Blank(s) included Only ASTM wipes used
Please analyze @ 24 hour turnaround

351202779

2779

2 of 2

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW • Mora, MN 55051
763-691-0111 / 320-679-4054
Fax: 763-691-0145 / 320-679-4442

Client Address:
Contact: Greg Myers

CHAIN OF CUSTODY

Project Number: 502/0512
Client: All Phase / City of St. Paul
Project: 206, 208, 210 Bates Avenue
Phone/Fax:

unit 206

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
502/0512C-W15	Living Rm Side A, Stool left	05/07/12	2" x 18"	Pb ug/ft²
W16	Bed Rm 1, Side D, Floor under window		1 ft²	
W17	Bed Rm 1, Side D Trough		2" x 18"	
W18	Kitchen Side C, Floor at hall		1 ft²	
W19	Bed Rm 2, Side D, Floor under window		1 ft²	
W20	Bed Rm 4, Side B, Floor under window	6:30p	1 ft²	
S1	Bare Soil Sides C & D		8 Sub samples	Pb Total Average Dry weight ppm

Sampled by: Greg Myers Date: 05/07/12 Time: 4:30p-6:30p Delivered by: Fed Ex Date: 05/7/12 Time:
Received by: Date: Time: Delivered by: Date: Time:
Received by Lab: Date: Time: Disposition of Samples:
Notes: Required Field Blank (S1) included only AST M wipes used
Please analyze @ 24 hour turnaround

351202779

AllPhase Companies, Incorporated

404-A St. Croix Trail North, Lakeland, MN 55043
Phone: 651-436-2930 Fax: 651-436-3918

May 9, 2012

Cynthia Carlson Heins
Real Estate Manager
Planning and Economic Development
Suite 1100, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey—**Revised**
208 and 210 Bates Ave., St. Paul, MN
1596-12S-U

Dear Ms. Cynthia Carlson Heins:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a renovation in order to identify Asbestos-Containing Material (ACM), which is a building material that has greater than 1% asbestos. The following report contains the results of the survey performed at the above referenced site.

In summary, 39 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was detected above 1 percent in **three of the thirty-nine samples**. These samples only represent building materials that were collected from the referenced building structure.

No sample had a detection of asbestos above 0% and less then 1%.

Friable ACM, is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. (Sec. 61.141)

Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Supbart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of nonfriable ACM, Category I and Category II nonfriable ACM, which are described later in this guidance.

"Regulated Asbestos-Containing Material" (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations. The following samples detected the presence of asbestos greater than 1%:

Category I - Floor tile, 9” x 9”, utility room of 1st floor, 210 side (mastic is negative)—30 sf
Category I - Flooring, kitchen of 2nd floor, 208 side (mastic is negative)—200 sf (under plywood decking)
Category I - Flooring, utility closet of 2nd floor, 208 side (mastic is negative)—9 sf (under carpet)

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. As a rehabilitation, wall interiors were not assessed. If suspect ACM is discovered during the work and is not listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos

content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey, which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

A. Collect bulk samples of suspect ACMs for laboratory analysis.
B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkin – Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neoprene—black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

> According to §61.145 of NESHAPS, friable ACMs <u>must</u> be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friable—that is, Category I & II material—due to damage or deterioration—for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.

Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

David Jenkin, P.G.
Asbestos Inspector (#AI8101)

Rennie Smith, P.G.
Asbestos Inspector (#AI3119)

AMENDED

ASBESTOS LABORATORY REPORT

Prepared for

AllPhase Companies, Inc.

PROJECT: 208, 210 Bates Ave.; 1596-12S-U

CEI LAB CODE: A12-3915

DATE REPORTED: 05/09/12

TOTAL SAMPLES ANALYZED: 35

 # SAMPLES >1% ASBESTOS: 3

TEL: 866-481-1412

www.ceilabs.com

AMENDED

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 208, 210 Bates Ave.; 1596-12S-U **CEI LAB CODE:** A12-3915

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B-1		A1286577	Off-white	Caulking	None Detected
B-2		A1286578	White	Caulking	None Detected
B-3		A1286579	White	Ceiling Texture	None Detected
B-4		A1286580	Beige	Sheet Flooring	None Detected
B-5		A1286581	White	Ceiling Texture	None Detected
B-6		A1286582	White	Sheetrock/Joint Compound	None Detected
B-7		A1286583	White	Joint Compound	None Detected
B-8		A1286584	White	Ceiling Texture	None Detected
B-9		A1286585	White	Ceiling Texture	None Detected
B-10		A1286586	Brown	Adhesive / Decking	None Detected
B-11a		A1286587	Gold	Floor Tile	**Chrysotile 2%**
B-11b		A1286588	Black	Adhesive & Tarpaper	None Detected
B-12		A1286589	Beige	Sheet Flooring	None Detected
B-13		A1286590	White	Sheetrock/Joint Compound	None Detected
B-14		A1286591	Brown	Adhesive / Decking	None Detected
B-15		A1286592	White	Flooring Compound	None Detected
B-16	Layer 1	A1286593	White	Plaster Skim Coat	None Detected
	Layer 2	A1286593	Grey	Plaster Base Coat	None Detected
B-17		A1286594	White	Sheet Flooring	None Detected
B-18		A1286595	Off-white	Ceiling Tile	None Detected
B-19		A1286596	Brown	Sheetrock	None Detected
B-20		A1286597	White	Sheetrock/Joint Compound	None Detected
B-21		A1286598	White	Sheet Flooring	None Detected
B-22		A1286599	Yellow	Adhesive	None Detected
B-23		A1286600	Brown	Fiberboard	None Detected
B-24		A1286601	White	Flooring Compound	None Detected
B-25		A1286602	White	Ceiling Texture	None Detected
B-26		A1286603	White	Ceiling Texture	None Detected
B-27		A1286604	Black	Adhesive	None Detected
B-28		A1286605A	Brown	Floor Tile	**Chrysotile 3%**
		A1286605B	Black	Adhesive & Tarpaper	None Detected

AMENDED

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 208, 210 Bates Ave.; 1596-12S-U **CEI LAB CODE:** A12-3915

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B-29		A1286606A	Brown	Floor Tile	Chrysotile 3%
		A1286606B	Black	Adhesive & Tarpaper	None Detected
B-30		A1286607	White	Ceiling Texture	None Detected
B-31		A1286608	Black	Adhesive	None Detected
B-32		A1286609	Brown	Adhesive	None Detected
B-33		A1286610	Black,Red	Sheet Flooring	None Detected
B-34		A1286611	White	Sink Undercoating	None Detected

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

Project: 208, 210 Bates Ave.; 1596-12S-U

CEI Lab Code: A12-3915
Date Received: 05-07-12
Date Reported: 05-08-12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B-1 A1286577	Caulking	Heterogeneous Off-white Non-fibrous Bound			95% 5%	Caulk Paint	**None Detected**
B-2 A1286578	Caulking	Homogeneous White Non-fibrous Bound			100%	Caulk	**None Detected**
B-3 A1286579	Ceiling Texture	Homogeneous White Non-fibrous Bound			90% 10%	Binder Foam	**None Detected**
B-4 A1286580	Sheet Flooring	Heterogeneous Beige Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 20%	Vinyl Binder	**None Detected**
B-5 A1286581	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**
B-6 A1286582	Sheetrock/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	70% 5% 5%	Foam Binder Paint	**None Detected**
B-7 A1286583	Joint Compound	Homogeneous White Fibrous Bound	10%	Cellulose	70% 20%	Calc Carb Binder	**None Detected**
B-8 A1286584	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

Project: 208, 210 Bates Ave.; 1596-12S-U

CEI Lab Code: A12-3915
Date Received: 05-07-12
Date Reported: 05-08-12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B-9 A1286585	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**
B-10 A1286586	Adhesive / Decking	Homogeneous Brown Fibrous Bound	30%	Cellulose	70%	Mastic	**None Detected**
B-11a A1286587	Floor Tile	Homogeneous Gold Fibrous Bound			98%	Vinyl	**2% Chrysotile**
B-11b A1286588	Adhesive & Tarpaper	Heterogeneous Black Fibrous Bound	75%	Cellulose	5% 20%	Mastic Tar	**None Detected**
B-12 A1286589	Sheet Flooring	Heterogeneous Beige Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 20%	Vinyl Binder	**None Detected**
B-13 A1286590	Sheetrock/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	70% 5% 5%	Foam Binder Paint	**None Detected**
B-14 A1286591	Adhesive / Decking	Homogeneous Brown Fibrous Bound	30%	Cellulose	70%	Mastic	**None Detected**
B-15 A1286592	Flooring Compound	Homogeneous White Fibrous Bound	5%	Fiberglass	95%	Plaster	**None Detected**

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

Project: 208, 210 Bates Ave.; 1596-12S-U

CEI Lab Code: A12-3915
Date Received: 05-07-12
Date Reported: 05-08-12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B-16 Layer 1 A1286593	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			95% 5%	Plaster Paint	**None Detected**
Layer 2 A1286593	Plaster Base Coat	Homogeneous Grey Fibrous Bound	<1%	Hair	100%	Plaster	**None Detected**
B-17 A1286594	Sheet Flooring	Heterogeneous White Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 20%	Vinyl Binder	**None Detected**
B-18 A1286595	Ceiling Tile	Heterogeneous Off-white Fibrous Bound	35% 35%	Cellulose Fiberglass	25% 5%	Perlite Paint	**None Detected**
B-19 A1286596	Sheetrock	Heterogeneous Brown Fibrous Bound	20% 5%	Cellulose Fiberglass	70% 5%	Gypsum Paint	**None Detected**
B-20 A1286597	Sheetrock/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	70% 5% 5%	Gypsum Binder Paint	**None Detected**
B-21 A1286598	Sheet Flooring	Heterogeneous White Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 20%	Vinyl Binder	**None Detected**
B-22 A1286599	Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	**None Detected**

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

CEI Lab Code: A12-3915
Date Received: 05-07-12
Date Reported: 05-08-12

Project: 208, 210 Bates Ave.; 1596-12S-U

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B-23 A1286600	Fiberboard	Homogeneous Brown Fibrous Bound	100%	Cellulose			**None Detected**
B-24 A1286601	Flooring Compound	Homogeneous White Fibrous Bound	5%	Cellulose	95%	Binder	**None Detected**
B-25 A1286602	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**
B-26 A1286603	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**
B-27 A1286604	Adhesive	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Mastic	**None Detected**
B-28 A1286605A	Floor Tile	Homogeneous Brown Fibrous Bound			97%	Vinyl	**3% Chrysotile**
A1286605B	Adhesive & Tarpaper	Heterogeneous Black Fibrous Bound	75%	Cellulose	5% 20%	Mastic Tar	**None Detected**
B-29 A1286606A	Floor Tile	Homogeneous Brown Fibrous Bound			97%	Vinyl	**3% Chrysotile**

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

Project: 208, 210 Bates Ave.; 1596-12S-U

CEI Lab Code: A12-3915
Date Received: 05-07-12
Date Reported: 05-08-12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
A1286606B	Adhesive & Tarpaper	Heterogeneous Black Fibrous Bound	75%	Cellulose	5% 20%	Mastic Tar	**None Detected**
B-30 A1286607	Ceiling Texture	Homogeneous White Non-fibrous Bound			35% 60% 5%	Binder Foam Paint	**None Detected**
B-31 A1286608	Adhesive	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Mastic	**None Detected**
B-32 A1286609	Adhesive	Homogeneous Brown Non-fibrous Bound			100%	Mastic	**None Detected**
B-33 A1286610	Sheet Flooring	Heterogeneous Black,Red Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 20% <1%	Vinyl Binder Mastic	**None Detected**
B-34 A1286611	Sink Undercoating	Homogeneous White Fibrous Bound	5%	Cellulose	95%	Binder	**None Detected**

AMENDED

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

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

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

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 polarizing 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.

This report may not be reproduced, except in full, without written approval by CEI LABS. CEI LABS makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. 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: Lynn Burkholder

Lynn Burkholder

APPROVED BY: Tianbao Bai

Tianbao Bai, Ph.D.
Laboratory Director

NVLAP Lab Code 101768-0

CEI LABS

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

CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	A12 · 3915 (35)
CEI Lab I.D. Range:	A1286577. A1286611

COMPANY CONTACT INFORMATION	
Company: AllPhase Companies, Inc.	Client #:
Address: 404-A St. Croix Trl N.	Job Contact: David Jenkin
Lakeland, MN 55043	Email: allphasecompany@qwestoffice.net
	Tel: 651-436-2930
Project Name: 208, 210 Bates Ave.	Fax: -3918
Project ID #: 1596-125-U	P.O. #:

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

REMARKS:

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
David Jenkin	5/4/12	Kristy Prewitt	MAY 07 2012
			11:45AM

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

CEI LABS

SAMPLING FORM

A Id. 3915

COMPANY CONTACT INFORMATION	
Company: AllPhase Companies, Inc.	Job Contact: David Jenkin
Project Name: 208, 210 Bates Ave.	
Project ID #: 1596-125-U	Tel: 651-436-2930

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
B-1	Caulk / West wall		Exterior, 208 side
2	" / Window on W. wall		" "
3	Ceil. text. / W. Rm		Interior, 208 1st Fl.
4	Fl. Shtg / Kitch.		
5	Ceil. text. / E. Rm		
6	Shtrk Comp. / util. Rm		
7	Joint Compound on strip / util. Rm		
8	Ceil. text. / W. Rm		, 210 1st Fl.
9	" " / Kitch.		
10	Adh., brwn / W. Rm, decking under carpet		
11 a	F.T., 9"x9" / Util. Rm		
b	Adh. blk " "		
12	Fl. Shtg / Kitch.		
13	Shtrk Comp. / NE Rm off Kitch.		
14	Adh., blk / NW-Central Rm, decking under carpet		
15	Flooring Compound / NE-central Rm under carpet		
16	Plaster / wall at top of stairs to basement		
17	Fl. Shtg, role		Basement, 208 side
18	Ceil. tile on floor		
19	Shtrk on floor		
20	Shtrk Comp. 1/4"		, 210 side
21	Fl. ~~Shtg~~ Shtg / Entry to 2nd Fl.		1st Fl.
22	Adh. / stairs / " "		
23	Fiber board / hallway		2nd Fl., Center hall
24	Floor Compound / "		" "
25	Ceil. text.		" "
26	" " / hallway		" , 208 Side
27	Adh., blk, glossy, elastic / SW Rm		" "
28	Flooring + tarpaper / kitchen		" "

CEI LABS

SAMPLING FORM

A12-3915

COMPANY CONTACT INFORMATION	
Company: All Phase Companies, Inc.	Job Contact:
Project Name: 208, 210 Baker Ave.	
Project ID #: 1596-125-K	Tel: 651-436-2930

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
B-29	Flooring + tar paper/Util-Closet		2nd Fl., 208 Side
30	Ceil. text./hall		, 210 Side
31	Adh., blk, flat, brittle/NW-Central Rm, on decking		
32	Adh., brwn/NW-Central Rm, on decking		
33	Fl. Shtg/hall	(patch ?)	
34	Sink-belly insul., wht		