

**LEAD-BASED PAINT INSPECTION
SURVEY REPORT FOR:**



**Minneapolis VA Medical Campus – Building 222
One Veterans Drive
Minneapolis, MN 55417**

November 16, 2007

Submitted to:

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IEA Project #0712007

Table of Contents

I. Lead-Based Paint Inspection Summary

II. Construction History and Site Description

- ◆ Basic Summary of Building Construction
- ◆ Site Description

III. Lead-Based Paint Sampling Summary

IV. Visual Examination

- ◆ Discussion of Findings

V. Discussion of XRF Results and Recommendations

Appendices

Appendix A: XRF Sample Results

Appendix B: Building Maps and Photographs

Appendix C: Inspector's Training Certifications and Licensing

I. LEAD-BASED PAINT INSPECTION SUMMARY

Inspection for: Minneapolis VA Medical Center

Performed at: Minneapolis VA Medical Campus – Building 222

Performed by: Matt Lindberg, Institute for Environmental Assessment

Inspection Date: October 19 & 23, 2007

Instrument Used Thermo Fisher Scientific Niton X-Ray Fluorescent (XRF) Analyzer.

XRF Serial Number: 16071

Lead-Based Paint Standard: 1.0 mg/cm² with Niton XRF analysis.

The inspection was conducted in accordance with the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint in Housing. All accessible painted surfaces within the interior and exterior of the building(s) were inspected. Surfaces were analyzed for lead content utilizing the XRF Analyzer. All samples were given a result of positive or negative for lead (above or below 1.0 mg/cm²), the standard established by the Minnesota Department of Health (MDH) and HUD for lead in paint. Results are located in Appendix A.

For purposes of renovation, the renovation contractor must be notified of the lead content in paint. It is the contractor's responsibility to comply with OSHA's Lead in Construction "Interim Final Rule" 29 CFR 1926.62. OSHA does not acknowledge the standards established by MDH and HUD and regulates any amount of lead in paint.

The Minnesota Pollution Control Agency (MPCA) requires that all loose and flaking lead-based paint (>1.0 mg/cm²) to be stabilized prior to demolition. Paint on all tested building materials was rated as being intact, fair or poor.

Calibration check tests were conducted before, after and every four hour work shift during the inspection. These checks were performed on thin films supplied by the XRF manufacturer with known concentrations of lead. These checks are labeled on the XRF report as "Calibrate".

II. CONSTRUCTION HISTORY AND SITE DESCRIPTION

**Minneapolis VA Medical Campus – Building 222
One Veterans Drive
Minneapolis, MN 55417**

Basic Summary of Building Construction:

The original building was constructed prior to the enactment of the Lead-Based Paint Poisoning Prevention Act of 1978, and therefore all painted surfaces within the interior of the building and exterior of the building were suspect for lead-based paint.

The intent of this inspection was to complete a lead-based paint inspection of all paint surfaces and a visual inspection to determine lead-based paint hazards. Only immediately accessible areas were evaluated, excluding wall cavities, air plenums and roofing systems. Materials not identified in this report should be assumed to contain lead or sampled prior to disturbance. No soil or lead dust samples were collected as part of this assessment.

Site Description:

Building 222 is a four (4) level structure including a basement, originally constructed in 1935 and has had four (4) additions to the structure. The building was occupied at the time of the inspection and is used as a warehouse. The construction of the building is wood and concrete frame with brick exterior siding. The interior of the building has plaster, wood, concrete and drywall walls and ceilings.

III. LEAD-BASED PAINT SAMPLING SUMMARY

On October 19 & 23, 2007, a lead-based paint inspection was conducted by Matt Lindberg of the Institute for Environmental Assessment. The objective of the Lead-Based Paint Inspection was to test all structural painted surfaces. In addition, the visual assessment performed only describes the condition of the areas evaluated on the date of the inspection. The condition of a painted surface can change quickly.

IEA used the lead-based paint protocol described in the U.S. Department of Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Revised October 1997, Chapter 7). Paint containing greater than or equal to 1.0 milligram of lead per square centimeter ($\geq 1 \text{ mg/cm}^2$) when measured by X-Ray Fluorescence (XRF) is considered lead-based paint (LBP) as specified by HUD and the Environmental Protection Agency (EPA).

Specific building components determined to have lead concentrations equal to or greater than 1.0 mg/cm^2 are listed in Table 1.

Table 1

Room	Side	Painted Surface	Substrate
NORTH ROOM	B	WINDOW CASING	WOOD
NORTH ROOM	B	WINDOW	WOOD
NORTH ROOM	D	WINDOW	WOOD
NORTH ROOM	A	DOOR	WOOD
NORTH ROOM	A	DOOR CASING	WOOD
NORTH MIDDLE ROOM	D	DOOR CASING	WOOD
NORTH MIDDLE ROOM	D	DOOR	WOOD
NORTH MIDDLE ROOM	D	WALL	PLASTER
NORTH MIDDLE ROOM	D	WALL	PLASTER
RESTROOM	B	DOOR CASING	WOOD
LARGE STORAGE AREA	B	WALL	WOOD
LARGE STORAGE AREA	B	WINDOW	WOOD
LARGE STORAGE AREA	B	WINDOW CASING	WOOD
LARGE STORAGE AREA	D	WINDOW	WOOD
BOILER ROOM	C	DOOR CASING	WOOD
BOILER ROOM		CEILING	WOOD
BOILER ROOM	A	DOOR	WOOD
BOILER ROOM	A	DOOR CASING	WOOD
BOILER ROOM	D	WINDOW	WOOD
BOILER ROOM	D	WINDOW CASING	WOOD
LARGE STORAGE AREA	D	WINDOW CASING	WOOD
LARGE STORAGE AREA	D	WINDOW	WOOD
LARGE STORAGE AREA	C	DOOR	WOOD
SOUTHWEST ROOM	D	DOOR	WOOD
EAST MIDDLE ROOM	B	DOOR	WOOD
EAST MIDDLE ROOM	B	DOOR CASING	WOOD
EAST MIDDLE ROOM	A	WALL	WOOD
EAST MIDDLE ROOM	C	WALL	WOOD
EAST MIDDLE ROOM	B	WALL	WOOD
EAST MIDDLE ROOM	D	WINDOW CASING	WOOD
ELEVATOR SHAFT	A	DOOR	METAL
		Painted	

Room	Side	Surface	Substrate
LARGE STORAGE AREA		BEAM BRACKETS	METAL
LARGE STORAGE AREA	B	WINDOW CASING	WOOD
LARGE STORAGE AREA	B	GARAGE DOOR	WOOD
LARGE STORAGE AREA	B	GARAGE DOOR CASING	WOOD
STAIR TO ATTIC		STAIRS	WOOD
ATTIC	D	WINDOW CASING	WOOD
LOADING AREA	B	GARAGE DOOR CASING	METAL
LOADING AREA	B	GARAGE DOOR	METAL
STORAGE AREA	B	WINDOW	METAL
STORAGE AREA		COLUMN	CONCRETE
STORAGE AREA STAIRWELL	D	DOOR	METAL
STORAGE AREA STAIRWELL	D	DOOR CASING	METAL
STORAGE AREA STAIRWELL	D	ELEVATOR DOOR CASING	METAL
ELEVATOR MECHANICAL ROOM		ELEVATOR MECHANICS	METAL
ELEVATOR MECHANICAL ROOM	D	DOOR	WOOD
ELEVATOR MECHANICAL ROOM	D	DOOR CASING	METAL
ELEVATOR MECHANICAL ROOM	A	WINDOW	METAL
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	WOOD
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	WOOD
LARGE STORAGE AREA RESTROOM	D	DOOR	WOOD
LARGE STORAGE AREA RESTROOM	D	DOOR	WOOD
LARGE STORAGE AREA RESTROOM	C	WALL	BRICK
LARGE STORAGE AREA RESTROOM	B	WALL	BRICK
LARGE STORAGE AREA RESTROOM	B	WALL	WOOD
LARGE STORAGE AREA RESTROOM	D	WALL	WOOD
LARGE STORAGE AREA RESTROOM	B	WINDOW CASING	METAL
LARGE STORAGE AREA RESTROOM		COLUMN	CONCRETE
LARGE STORAGE AREA RESTROOM		COLUMN	CONCRETE
LARGE STORAGE AREA RESTROOM	D	DOOR	METAL
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	METAL
LARGE STORAGE AREA RESTROOM	D	ELEVATOR DOOR CASING	METAL
LARGE STORAGE AREA RESTROOM	D	ELEVATOR DOOR	METAL
		CALIBRATION	
		CALIBRATION	
		CALIBRATION	
STORAGE AREA	D	GARAGE DOOR	METAL
STORAGE AREA	D	WINDOW CASING	METAL
STORAGE AREA		COLUMN	CONCRETE
STORAGE AREA	D	DOOR	METAL
STORAGE AREA	D	DOOR CASING	METAL
STORAGE AREA	D	GARAGE DOOR CASING	METAL
STORAGE AREA	D	TRIM	METAL
STORAGE AREA	D	ELEVATOR DOOR	METAL
STORAGE AREA	D	ELEVATOR DOOR	METAL
STORAGE AREA	D	ELEVATOR DOOR	METAL
SOUTH MIDDLE STORAGE		CEILING	WOOD
SOUTH MIDDLE STORAGE	B	WALL	BRICK
SOUTH MIDDLE STORAGE	A	WALL	WOOD
SOUTH MIDDLE STORAGE	D	WALL	WOOD
SOUTH MIDDLE STORAGE	B	DOOR	METAL
SOUTH MIDDLE STORAGE	B	DOOR CASING	METAL
SOUTH MIDDLE STORAGE	D	DOOR CASING	WOOD
SOUTH MIDDLE STORAGE	D	DOOR	WOOD
MIDDLE ROOM	A	WALL	WOOD
MIDDLE ROOM	C	WINDOW	METAL
HALL OUTSIDE RESTROOMS	A	WINDOW	BRICK
HALL OUTSIDE RESTROOMS	B	WINDOW	BRICK
HALL OUTSIDE RESTROOMS	B	DOOR	WOOD

Room	Side	Painted Surface	Substrate
WEST RESTROOM	C	DOOR	METAL
EAST RESTROOM	C	DOOR	WOOD
STAIR WELL		RAILING	WOOD
EAST ROOM	A	WINDOW	WOOD
MIDDLE ROOM	C	WINDOW	WOOD
MIDDLE ROOM	A	WINDOW	WOOD
RESTROOM	A	WALL	CONCRETE
RESTROOM	B	WALL	BRICK
RESTROOM	C	WALL	BRICK
RESTROOM	D	WALL	BRICK
RESTROOM		CEILING	CONCRETE
RESTROOM	B	DOOR	WOOD
RESTROOM	B	DOOR CASING	WOOD
BOILER ROOM	A	DOOR	METAL
BOILER ROOM	A	DOOR CASING	METAL
STAIRWELL TO BOILER	B	STAIR RAILING	METAL
OUTSIDE	B	FASCIA	WOOD
OUTSIDE	B	SOFFIT	WOOD
OUTSIDE	B	WINDOW SILL	WOOD
OUTSIDE	B	WINDOW SILL	CONCRETE
OUTSIDE	B	WINDOW	WOOD
OUTSIDE	B	WINDOW CASING	WOOD
OUTSIDE	B	PANEL	WOOD
OUTSIDE	B	CHIMNEY PANEL	WOOD
OUTSIDE	C	FASCIA	WOOD
OUTSIDE	C	SOFFIT	WOOD
OUTSIDE	D	SOFFIT	WOOD
OUTSIDE	D	FASCIA	WOOD
OUTSIDE	D	WINDOW	WOOD
OUTSIDE	D	WINDOW SILL	WOOD
OUTSIDE	D	WINDOW BARS	METAL
OUTSIDE	D	DOOR	WOOD
OUTSIDE	D	DOOR CASING	WOOD
OUTSIDE	D	WINDOW	WOOD
OUTSIDE	D	WINDOW CASING	WOOD
OUTSIDE	D	DOWN SPOUT	METAL
OUTSIDE	D	DOWN SPOUT	METAL
OUTSIDE	D	GARAGE DOOR	WOOD
OUTSIDE	D	GARAGE DOOR CASING	WOOD
OUTSIDE	B	GARAGE DOOR CASING	WOOD
OUTSIDE	B	GARAGE DOOR	WOOD
OUTSIDE	B	WINDOW	WOOD
OUTSIDE	B	WINDOW SILL	WOOD
OUTSIDE	B	DOWN SPOUT	METAL
OUTSIDE	D	WINDOW	METAL
OUTSIDE	D	GARAGE DOOR CASING	METAL
OUTSIDE	C	GARAGE DOOR	WOOD
OUTSIDE	C	GARAGE DOOR CASING	WOOD
OUTSIDE	C	RAILING	METAL
OUTSIDE	B	WINDOW	METAL
OUTSIDE	B	STAIR RAILING	METAL
OUTSIDE	B	GARAGE DOOR	WOOD
OUTSIDE	B	GARAGE DOOR	METAL
OUTSIDE	B	GARAGE DOOR CASING	METAL
OUTSIDE	A	WINDOW	WOOD
OUTSIDE	A	WINDOW CASING	WOOD

Room	Side	Painted Surface	Substrate
OUTSIDE	A	WINDOW SILL	WOOD
OUTSIDE	A	DOOR	WOOD
OUTSIDE	A	DOOR CASING	WOOD
OUTSIDE	A	SCREEN DOOR	WOOD
OUTSIDE	D	STAIRWELL SIDING	WOOD
OUTSIDE	D	STAIRWELL SOFFIT	WOOD
OUTSIDE	D	STAIRWELL FASCIA	WOOD
OUTSIDE	D	STAIRWELL DOOR	WOOD
OUTSIDE	D	STAIRWELL WINDOW CASING	WOOD
OUTSIDE	D	DOWN SPOUT	METAL
OUTSIDE	C	WINDOW CASING	WOOD
OUTSIDE	C	WINDOW SILL	CONCRETE
OUTSIDE	C	WINDOW BARS	METAL
OUTSIDE	C	WINDOW	WOOD
OUTSIDE	C	WINDOW SILL	WOOD
NORTH STORAGE	A	WINDOW	WOOD
NORTH STORAGE	D	DOOR CASING	METAL
NORTH STORAGE	D	ELEVATOR DOOR	METAL
NORTH STORAGE	D	ELEVATOR DOOR	METAL
NORTH STORAGE	D	ELEVATOR DOOR	METAL
NORTH STORAGE	D	ELEVATOR DOOR CASING	METAL
NORTH STORAGE	B	WINDOW	METAL
NORTH STORAGE	D	WINDOW	METAL
NORTH STORAGE	C	GARAGE DOOR	WOOD
NORTH STORAGE	C	GARAGE DOOR CASING	WOOD
SOUTH STORAGE	D	WINDOW	METAL
SOUTH STORAGE	A	DOOR CASING	METAL
SOUTH STORAGE	A	DOOR	METAL
SOUTH STORAGE	B	WALL	BRICK
SOUTH STORAGE	B	WINDOW	METAL
SOUTH STORAGE NW OFFICE	B	WALL	BRICK
SOUTH STORAGE NW OFFICE	B	WINDOW	METAL
SOUTH STORAGE NW OFFICE	C	WINDOW	WOOD
SOUTH STORAGE NW OFFICE	A	WINDOW	WOOD
SOUTH STORAGE SW OFFICE	B	WALL	BRICK
SOUTH STORAGE SW OFFICE	B	WINDOW	METAL
SOUTH STORAGE SW OFFICE	A	WALL	BRICK
SOUTH STORAGE RESTROOM	B	DOOR	WOOD
SOUTH STORAGE RESTROOM	B	DOOR CASING	METAL
SOUTH STORAGE RESTROOM	B	DOOR CASING	METAL
SOUTH STORAGE RESTROOM	C	WALL	BRICK
SOUTH STORAGE RESTROOM	D	WALL	BRICK
SOUTH STORAGE RESTROOM	A	WALL	BRICK
SOUTH STORAGE RESTROOM		CEILING	CONCRETE
NORTHWEST ROOM	B	WINDOW	WOOD
SOUTHEAST AREA	B	WINDOW	WOOD
SOUTHEAST AREA	B	PIPE	METAL
SOUTHEAST AREA	B	PIPE	METAL
SOUTHEAST AREA	D	DOOR	WOOD
SOUTHEAST AREA	D	DOOR CASING	WOOD
SOUTHEAST AREA	D	WINDOW	WOOD
SOUTHEAST AREA	A	WINDOW	WOOD
SOUTHEAST AREA		COLUMN BRACKET	METAL
SOUTHEAST AREA ROOM	C	WALL	WOOD

Room	Side	Painted Surface	Substrate
SOUTHEAST AREA STAIRWELL	D	WALL	WOOD
SOUTHEAST AREA STAIRWELL	B	WALL	BRICK
SOUTHEAST AREA STAIRWELL	A	DOOR	WOOD
SOUTHEAST AREA STAIRWELL	D	WINDOW	WOOD
SOUTHEAST AREA STAIRWELL	D	WINDOW CASING	WOOD
SOUTHEAST AREA STAIRWELL	C	WINDOW CASING	WOOD
SOUTHEAST AREA STAIRWELL	C	WINDOW	WOOD
SOUTHEAST AREA STAIRWELL		CEILING	WOOD
SOUTHEAST AREA STAIRWELL	B	DOOR	WOOD
SOUTHEAST AREA STAIRWELL	B	DOOR CASING	METAL
CENTER ROOM	D	WALL	PLASTER
CENTER ROOM	C	WINDOW	WOOD
CENTER ROOM	C	WINDOW CASING	WOOD
CENTER ROOM	C	WINDOW SILL	WOOD
CENTER ROOM	A	WINDOW SILL	WOOD
CENTER ROOM	A	WINDOW	WOOD
CENTER ROOM	A	WINDOW CASING	WOOD
CENTER ROOM		COLUMN	WOOD
CENTER ROOM		COLUMN BRACKET	METAL
CENTER ROOM		CEILING BEAM	WOOD
CENTER ROOM	D	STAIR RISER	WOOD
CENTER ROOM	D	DOOR CASING	WOOD
STAIRWELL OFF OF CENTER ROOM	B	DOOR CASING	WOOD
STAIRWELL OFF OF CENTER ROOM	B	DOOR	WOOD
STAIRWELL OFF OF CENTER ROOM	D	WINDOW CASING	WOOD
STAIRWELL OFF OF CENTER ROOM	C	PIPE	METAL
WEST AREA	A	WINDOW SILL	WOOD
WEST AREA	A	WINDOW CASING	WOOD
WEST AREA	A	WINDOW	WOOD
WEST AREA	B	WINDOW	WOOD
WEST AREA	B	WINDOW CASING	WOOD
WEST AREA	C	DOOR	WOOD
WEST AREA	D	WINDOW	WOOD
WEST AREA	D	WINDOW CASING	WOOD
WEST AREA	D	WINDOW SILL	WOOD
WEST AREA	D	CEILING	METAL

A complete sample result spreadsheet for the XRF used in the inspection is located in **Appendix A**.

A building map that identifies wall sides with letters A, B, C and D is located in **Appendix B**. Also included in Appendix B are building specific photographs.

Copies of the Risk Assessor's Certifications are located in **Appendix C**.

IV. VISUAL EXAMINATION

- ♦ The initial building walk-through was conducted throughout the interior and exterior of the building to check for general condition.
- ♦ Paint condition was assessed by classifying surfaces into intact, fair and poor categories.

Discussion of Findings:

All areas were rated as intact, fair or poor. An “intact” surface is defined here as one where there is no visible damage and the entire painted surface is intact. A “fair” surface is defined here as one where the paint is showing moderate damage, whereas a “poor” surface is showing significant deterioration. It is important to note that intact areas are not included in the table 2 below, but all fair or poor painted substrates are.

Table 2

Room	Side	Painted Surface	Substrate	Rating: Fair or Poor
NORTH ROOM	B	WINDOW CASING	WOOD	POOR
NORTH ROOM	B	WINDOW	WOOD	POOR
NORTH ROOM	D	WINDOW	WOOD	POOR
NORTH ROOM	A	DOOR	WOOD	POOR
NORTH ROOM	A	DOOR CASING	WOOD	POOR
NORTH MIDDLE ROOM	D	DOOR CASING	WOOD	POOR
NORTH MIDDLE ROOM	D	DOOR	WOOD	POOR
NORTH MIDDLE ROOM	D	WALL	PLASTER	POOR
NORTH MIDDLE ROOM	D	WALL	PLASTER	POOR
RESTROOM	B	DOOR CASING	WOOD	FAIR
LARGE STORAGE AREA	B	WALL	WOOD	POOR
LARGE STORAGE AREA	B	WINDOW	WOOD	POOR
LARGE STORAGE AREA	B	WINDOW CASING	WOOD	POOR
LARGE STORAGE AREA	D	WINDOW	WOOD	POOR
BOILER ROOM	C	DOOR CASING	WOOD	POOR
BOILER ROOM		CEILING	WOOD	POOR
BOILER ROOM	A	DOOR	WOOD	POOR
BOILER ROOM	A	DOOR CASING	WOOD	POOR
BOILER ROOM	D	WINDOW	WOOD	POOR
BOILER ROOM	D	WINDOW CASING	WOOD	POOR
LARGE STORAGE AREA	D	WINDOW CASING	WOOD	POOR
LARGE STORAGE AREA	D	WINDOW	WOOD	POOR
LARGE STORAGE AREA	C	DOOR	WOOD	FAIR
SOUTHWEST ROOM	D	DOOR	WOOD	FAIR
EAST MIDDLE ROOM	B	DOOR	WOOD	FAIR
EAST MIDDLE ROOM	B	DOOR CASING	WOOD	FAIR
EAST MIDDLE ROOM	A	WALL	WOOD	FAIR
EAST MIDDLE ROOM	C	WALL	WOOD	FAIR
EAST MIDDLE ROOM	B	WALL	WOOD	FAIR
EAST MIDDLE ROOM	D	WINDOW CASING	WOOD	FAIR
ELEVATOR SHAFT	A	DOOR	METAL	FAIR
LARGE STORAGE AREA		BEAM BRACKETS	METAL	FAIR
LARGE STORAGE AREA	B	WINDOW CASING	WOOD	FAIR
LARGE STORAGE AREA	B	GARAGE DOOR	WOOD	FAIR
LARGE STORAGE AREA	B	GARAGE DOOR CASING	WOOD	FAIR

Room	Side	Painted Surface	Substrate	Rating: Fair or Poor
STAIR TO ATTIC		STAIRS	WOOD	POOR
ATTIC	D	WINDOW CASING	WOOD	FAIR
LOADING AREA	B	GARAGE DOOR CASING	METAL	POOR
LOADING AREA	B	GARAGE DOOR	METAL	POOR
STORAGE AREA	B	WINDOW	METAL	POOR
STORAGE AREA		COLUMN	CONCRETE	FAIR
STORAGE AREA STAIRWELL	D	DOOR	METAL	POOR
STORAGE AREA STAIRWELL	D	DOOR CASING	METAL	POOR
STORAGE AREA STAIRWELL	D	ELEVATOR DOOR CASING	METAL	POOR
ELEVATOR MECHANICAL ROOM		ELEVATOR MECHANICS	METAL	FAIR
ELEVATOR MECHANICAL ROOM	D	DOOR	WOOD	FAIR
ELEVATOR MECHANICAL ROOM	D	DOOR CASING	METAL	FAIR
ELEVATOR MECHANICAL ROOM	A	WINDOW	METAL	POOR
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	WOOD	FAIR
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	WOOD	FAIR
LARGE STORAGE AREA RESTROOM	D	DOOR	WOOD	FAIR
LARGE STORAGE AREA RESTROOM	D	DOOR	WOOD	FAIR
LARGE STORAGE AREA RESTROOM	C	WALL	BRICK	POOR
LARGE STORAGE AREA RESTROOM	B	WALL	BRICK	POOR
LARGE STORAGE AREA RESTROOM	B	WALL	WOOD	POOR
LARGE STORAGE AREA RESTROOM	D	WALL	WOOD	FAIR
LARGE STORAGE AREA RESTROOM	B	WINDOW CASING	METAL	POOR
LARGE STORAGE AREA RESTROOM		COLUMN	CONCRETE	FAIR
LARGE STORAGE AREA RESTROOM		COLUMN	CONCRETE	FAIR
LARGE STORAGE AREA RESTROOM	D	DOOR	METAL	FAIR
LARGE STORAGE AREA RESTROOM	D	DOOR CASING	METAL	FAIR
LARGE STORAGE AREA RESTROOM	D	ELEVATOR DOOR CASING	METAL	FAIR
LARGE STORAGE AREA RESTROOM	D	ELEVATOR DOOR	METAL	FAIR
		CALIBRATION		
		CALIBRATION		
		CALIBRATION		
STORAGE AREA	D	GARAGE DOOR	METAL	FAIR
STORAGE AREA	D	WINDOW CASING	METAL	FAIR
STORAGE AREA		COLUMN	CONCRETE	FAIR
STORAGE AREA	D	DOOR	METAL	FAIR
STORAGE AREA	D	DOOR CASING	METAL	FAIR
STORAGE AREA	D	GARAGE DOOR CASING	METAL	FAIR
STORAGE AREA	D	TRIM	METAL	FAIR
STORAGE AREA	D	ELEVATOR DOOR	METAL	FAIR
STORAGE AREA	D	ELEVATOR DOOR	METAL	FAIR
STORAGE AREA	D	ELEVATOR DOOR	METAL	FAIR
SOUTH MIDDLE STORAGE		CEILING	WOOD	FAIR
SOUTH MIDDLE STORAGE	B	WALL	BRICK	FAIR
SOUTH MIDDLE STORAGE	A	WALL	WOOD	POOR
SOUTH MIDDLE STORAGE	D	WALL	WOOD	FAIR
SOUTH MIDDLE STORAGE	B	DOOR	METAL	FAIR
SOUTH MIDDLE STORAGE	B	DOOR CASING	METAL	FAIR
SOUTH MIDDLE STORAGE	D	DOOR CASING	WOOD	FAIR
SOUTH MIDDLE STORAGE	D	DOOR	WOOD	FAIR
MIDDLE ROOM	A	WALL	WOOD	FAIR
MIDDLE ROOM	C	WINDOW	METAL	POOR
HALL OUTSIDE RESTROOMS	A	WINDOW	BRICK	FAIR
HALL OUTSIDE RESTROOMS	B	WINDOW	BRICK	FAIR
HALL OUTSIDE RESTROOMS	B	DOOR	WOOD	FAIR
WEST RESTROOM	C	DOOR	METAL	FAIR
EAST RESTROOM	C	DOOR	WOOD	FAIR

Room	Side	Painted Surface	Substrate	Rating: Fair or Poor
STAIR WELL		RAILING	WOOD	FAIR
EAST ROOM	A	WINDOW	WOOD	FAIR
MIDDLE ROOM	C	WINDOW	WOOD	POOR
MIDDLE ROOM	A	WINDOW	WOOD	POOR
RESTROOM	A	WALL	CONCRETE	FAIR
RESTROOM	B	WALL	BRICK	FAIR
RESTROOM	C	WALL	BRICK	FAIR
RESTROOM	D	WALL	BRICK	FAIR
RESTROOM		CEILING	CONCRETE	FAIR
RESTROOM	B	DOOR	WOOD	FAIR
RESTROOM	B	DOOR CASING	WOOD	FAIR
BOILER ROOM	A	DOOR	METAL	POOR
BOILER ROOM	A	DOOR CASING	METAL	POOR
STAIRWELL TO BOILER	B	STAIR RAILING	METAL	POOR
OUTSIDE	B	FASCIA	WOOD	POOR
OUTSIDE	B	SOFFIT	WOOD	POOR
OUTSIDE	B	WINDOW SILL	WOOD	POOR
OUTSIDE	B	WINDOW SILL	CONCRETE	POOR
OUTSIDE	B	WINDOW	WOOD	POOR
OUTSIDE	B	WINDOW CASING	WOOD	POOR
OUTSIDE	B	PANEL	WOOD	POOR
OUTSIDE	B	CHIMNEY PANEL	WOOD	POOR
OUTSIDE	C	FASCIA	WOOD	POOR
OUTSIDE	C	SOFFIT	WOOD	POOR
OUTSIDE	D	SOFFIT	WOOD	POOR
OUTSIDE	D	FASCIA	WOOD	POOR
OUTSIDE	D	WINDOW	WOOD	POOR
OUTSIDE	D	WINDOW SILL	WOOD	POOR
OUTSIDE	D	WINDOW BARS	METAL	POOR
OUTSIDE	D	DOOR	WOOD	POOR
OUTSIDE	D	DOOR CASING	WOOD	POOR
OUTSIDE	D	WINDOW	WOOD	POOR
OUTSIDE	D	WINDOW CASING	WOOD	POOR
OUTSIDE	D	DOWN SPOUT	METAL	POOR
OUTSIDE	D	DOWN SPOUT	METAL	POOR
OUTSIDE	D	GARAGE DOOR	WOOD	POOR
OUTSIDE	D	GARAGE DOOR CASING	WOOD	POOR
OUTSIDE	B	GARAGE DOOR CASING	WOOD	POOR
OUTSIDE	B	GARAGE DOOR	WOOD	POOR
OUTSIDE	B	WINDOW	WOOD	POOR
OUTSIDE	B	WINDOW SILL	WOOD	POOR
OUTSIDE	B	DOWN SPOUT	METAL	POOR
OUTSIDE	D	WINDOW	METAL	POOR
OUTSIDE	D	GARAGE DOOR CASING	METAL	POOR
OUTSIDE	C	GARAGE DOOR	WOOD	POOR
OUTSIDE	C	GARAGE DOOR CASING	WOOD	POOR
OUTSIDE	C	RAILING	METAL	POOR
OUTSIDE	B	WINDOW	METAL	POOR
OUTSIDE	B	STAIR RAILING	METAL	FAIR
OUTSIDE	B	GARAGE DOOR	WOOD	POOR
OUTSIDE	B	GARAGE DOOR	METAL	POOR
OUTSIDE	B	GARAGE DOOR CASING	METAL	FAIR

Room	Side	Painted Surface	Substrate	Rating: Fair or Poor
OUTSIDE	A	WINDOW	WOOD	POOR
OUTSIDE	A	WINDOW CASING	WOOD	POOR
OUTSIDE	A	WINDOW SILL	WOOD	POOR
OUTSIDE	A	DOOR	WOOD	POOR
OUTSIDE	A	DOOR CASING	WOOD	POOR
OUTSIDE	A	SCREEN DOOR	WOOD	POOR
OUTSIDE	D	STAIRWELL SIDING	WOOD	POOR
OUTSIDE	D	STAIRWELL SOFFIT	WOOD	POOR
OUTSIDE	D	STAIRWELL FASCIA	WOOD	POOR
OUTSIDE	D	STAIRWELL DOOR	WOOD	POOR
OUTSIDE	D	STAIRWELL WINDOW CASING	WOOD	POOR
OUTSIDE	D	DOWN SPOUT	METAL	POOR
OUTSIDE	C	WINDOW CASING	WOOD	POOR
OUTSIDE	C	WINDOW SILL	CONCRETE	POOR
OUTSIDE	C	WINDOW BARS	METAL	POOR
OUTSIDE	C	WINDOW	WOOD	POOR
OUTSIDE	C	WINDOW SILL	WOOD	POOR
NORTH STORAGE	A	WINDOW	WOOD	FAIR
NORTH STORAGE	D	DOOR CASING	METAL	FAIR
NORTH STORAGE	D	ELEVATOR DOOR	METAL	FAIR
NORTH STORAGE	D	ELEVATOR DOOR	METAL	FAIR
NORTH STORAGE	D	ELEVATOR DOOR	METAL	FAIR
NORTH STORAGE	D	ELEVATOR DOOR CASING	METAL	FAIR
NORTH STORAGE	B	WINDOW	METAL	POOR
NORTH STORAGE	D	WINDOW	METAL	POOR
NORTH STORAGE	C	GARAGE DOOR	WOOD	POOR
NORTH STORAGE	C	GARAGE DOOR CASING	WOOD	POOR
SOUTH STORAGE	D	WINDOW	METAL	FAIR
SOUTH STORAGE	A	DOOR CASING	METAL	POOR
SOUTH STORAGE	A	DOOR	METAL	POOR
SOUTH STORAGE	B	WALL	BRICK	FAIR
SOUTH STORAGE	B	WINDOW	METAL	POOR
SOUTH STORAGE NW OFFICE	B	WALL	BRICK	FAIR
SOUTH STORAGE NW OFFICE	B	WINDOW	METAL	POOR
SOUTH STORAGE NW OFFICE	C	WINDOW	WOOD	FAIR
SOUTH STORAGE NW OFFICE	A	WINDOW	WOOD	FAIR
SOUTH STORAGE SW OFFICE	B	WALL	BRICK	FAIR
SOUTH STORAGE SW OFFICE	B	WINDOW	METAL	POOR
SOUTH STORAGE SW OFFICE	A	WALL	BRICK	FAIR
SOUTH STORAGE RESTROOM	B	DOOR	WOOD	FAIR
SOUTH STORAGE RESTROOM	B	DOOR CASING	METAL	FAIR
SOUTH STORAGE RESTROOM	B	DOOR CASING	METAL	FAIR
SOUTH STORAGE RESTROOM	C	WALL	BRICK	FAIR
SOUTH STORAGE RESTROOM	D	WALL	BRICK	POOR
SOUTH STORAGE RESTROOM	A	WALL	BRICK	POOR
SOUTH STORAGE RESTROOM		CEILING	CONCRETE	FAIR
NORTHWEST ROOM	B	WINDOW	WOOD	FAIR
SOUTHEAST AREA	B	WINDOW	WOOD	FAIR
SOUTHEAST AREA	B	PIPE	METAL	FAIR
SOUTHEAST AREA	B	PIPE	METAL	FAIR
SOUTHEAST AREA	D	DOOR	WOOD	POOR
SOUTHEAST AREA	D	DOOR CASING	WOOD	FAIR
SOUTHEAST AREA	D	WINDOW	WOOD	FAIR
SOUTHEAST AREA	A	WINDOW	WOOD	FAIR
SOUTHEAST AREA		COLUMN BRACKET	METAL	FAIR

Room	Side	Painted Surface	Substrate	Rating: Fair or Poor
SOUTHEAST AREA ROOM	C	WALL	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	D	WALL	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	B	WALL	BRICK	FAIR
SOUTHEAST AREA STAIRWELL	A	DOOR	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	D	WINDOW	WOOD	POOR
SOUTHEAST AREA STAIRWELL	D	WINDOW CASING	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	C	WINDOW CASING	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	C	WINDOW	WOOD	POOR
SOUTHEAST AREA STAIRWELL		CEILING	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	B	DOOR	WOOD	FAIR
SOUTHEAST AREA STAIRWELL	B	DOOR CASING	METAL	FAIR
CENTER ROOM	D	WALL	PLASTER	FAIR
CENTER ROOM	C	WINDOW	WOOD	FAIR
CENTER ROOM	C	WINDOW CASING	WOOD	FAIR
CENTER ROOM	C	WINDOW SILL	WOOD	POOR
CENTER ROOM	A	WINDOW SILL	WOOD	POOR
CENTER ROOM	A	WINDOW	WOOD	POOR
CENTER ROOM	A	WINDOW CASING	WOOD	FAIR
CENTER ROOM		COLUMN	WOOD	FAIR
CENTER ROOM		COLUMN BRACKET	METAL	FAIR
CENTER ROOM		CEILING BEAM	WOOD	FAIR
CENTER ROOM	D	STAIR RISER	WOOD	FAIR
CENTER ROOM	D	DOOR CASING	WOOD	FAIR
STAIRWELL OFF OF CENTER ROOM	B	DOOR CASING	WOOD	POOR
STAIRWELL OFF OF CENTER ROOM	B	DOOR	WOOD	POOR
STAIRWELL OFF OF CENTER ROOM	D	WINDOW CASING	WOOD	POOR
STAIRWELL OFF OF CENTER ROOM	C	PIPE	METAL	POOR
WEST AREA	A	WINDOW SILL	WOOD	POOR
WEST AREA	A	WINDOW CASING	WOOD	POOR
WEST AREA	A	WINDOW	WOOD	POOR
WEST AREA	B	WINDOW	WOOD	POOR
WEST AREA	B	WINDOW CASING	WOOD	POOR
WEST AREA	C	DOOR	WOOD	POOR
WEST AREA	D	WINDOW	WOOD	FAIR
WEST AREA	D	WINDOW CASING	WOOD	FAIR
WEST AREA	D	WINDOW SILL	WOOD	FAIR
WEST AREA	D	CEILING	METAL	FAIR

V. DISCUSSION AND RECOMENDATIONS OF XRF RESULTS

According to Minnesota state standards, a lead hazard is a painted surface identified as containing lead-based paint and is either showing deterioration or is considered an impact or friction surface. Below are recommendations for action based on the painted areas which were identified as hazardous through the visual examination. It is recommended that ongoing monitoring take place to re-evaluate any existing and potential lead-based hazards. See Appendix B for sample results and locations.

Window and Window Components

Windows and window components throughout the interior building were listed in fair/poor condition. When sampled with an XRF, the windows and their components tested positive for lead-based paint. Some of the windows and their components are located on friction or impact surfaces. The use of lead-safe work practices to return the painted surfaces to an intact condition is recommended. The damaged surfaces can be addressed by encapsulation, paint stabilization, paint removal, component removal or enclosure.

In addition exterior windows are listed in poor condition and are flaking and deteriorating. It is recommended that these surfaces be returned to an intact condition utilizing lead-safe work practices. The damaged paint surfaces can be addressed by encapsulation, paint stabilization, paint removal, component removal or enclosure. Paint chips are located in the soil near the exterior windows. It is recommended that the paint chips be removed from soil utilizing lead-safe work practices.

Doors and Door Casing

Lead-based paint is located on doors and door casings throughout the interior and exterior of the building. The paint on the doors and door casings was listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged surfaces can be addressed by encapsulation, paint stabilization, paint removal or component removal.

Garage Doors and Garage Door Casing

Lead-based paint is located on garage doors and garage door casings throughout the interior and exterior of the building. The paint on the garage doors and garage door casings was listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces listed in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged surfaces can be addressed by encapsulation, paint stabilization, paint removal or component removal.

Walls and Ceilings

Lead-based paint is located the walls and ceilings throughout the interior of the building. The paint on the walls and ceilings was listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged surfaces can be addressed by encapsulation, paint stabilization or paint removal.

Columns, Ceiling Beams and Associated Brackets

Lead-based paint is located on the columns, ceiling beams and associated metal brackets throughout the interior of the building. The paint on the columns, ceiling beams and associated metal brackets was listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces listed in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged surfaces can be addressed by encapsulation, paint stabilization or paint removal.

Elevator Doors, Elevator Door Casings and Elevator Mechanical Equipment

Lead-based paint is located on elevator doors, elevator door casings and elevator mechanical equipment within the interior of the building. The elevator doors, elevator door casings and elevator mechanical equipment are listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces listed in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged painted surfaces can be addressed by encapsulation, paint stabilization or paint removal.

Stair Railing, Stair Riser and Stairs

Lead-based paint is located on the stair railing in the stairwell to the boiler room and at the side B of the exterior building. Lead-based paint was also located on the stair riser and stairs within the interior of the building. The paint associated with the stair systems was listed in fair/poor condition. Painted surfaces listed in fair condition are not considered a lead-based paint hazard. However, it is recommended that there conditions be monitored. It is recommended that painted surfaces in poor condition have the paint returned to an intact condition utilizing lead-safe work practices. The damaged surfaces can be addressed by encapsulation, paint stabilization or paint removal.

Roofing System

The exterior roof system was sampled and found be lead-based paint in accessible sample locations and should be assumed to be lead-based paint throughout the exterior building. The roofing system is listed in poor condition and is flaking and deteriorating. It is recommended that the painted surfaces in poor condition be returned to intact condition utilizing lead-safe work practices. The damaged painted surfaces can be addressed by encapsulation, paint stabilization or paint removal. Paint chips are located in the soil near the perimeter of the building. It is recommended that the paint chips be removed from soil utilizing lead-safe work practices.

Appendix A

XRF Sample Results

Appendix B

Building Maps and Photographs



Basement Middle Room

Basement Middle
Storage Door





Large Basement Storage
Side D Window



Boiler Room
Side D Window



North Middle Area
Side D Door

North Storage Area
Side D Window





3rd Floor Orange Paint

Appendix C

Inspector's Training Certifications and Licensing

Lead Risk Assessor Certification/Accreditation




**LEAD
Risk Assessor**

Licensed by:
State of Minnesota
Department of Health

**License No. LR520
Expires 11/29/2007**

**Matthew A Lindberg
13573 Dan Patch Dr
Savage, MN 55378**


Director, Env. Health Div.

Inspector

I have completed an approved training course and all appropriate refresher courses and am licensed as a Lead Risk Assessor by the Minnesota Department of Health.



Signature

October 19 & 23, 2007

Date of Inspection

Matt Lindberg

Print Name

LR520

State Certification/Accreditation Number