TECHTRON
engineering inc.
environmental solutions

640 East Main Street
Anoka, MN 55303
Phone 763.712.9502
Fax 763.712.9504

www.techtron.biz

PRE-DEMOLITION SURVEY

8020 – 147th AVENUE NW
RAMSEY, MN

TECHTRON ENGINEERING
640 E MAIN STREET
ANOKA, MN 55303
PH. (763) 712-9502

ANDY TURBITT # AI10482

TECHTRON JOB #: F12-2879

PREPARED FOR:

PATRICK BRAMA
CITY OF RAMSEY
7550 SUNWOOD DRIVE NW
RAMSEY, MN 55303

DATE OF REPORT:
9/4/12

INTRODUCTION

Techtron Engineering, Inc. was retained by the City of Ramsey to perform a pre-demolition survey of the buildings located at 8020 – 147th Avenue NW in Ramsey, Minnesota. There were two buildings on the subject property which were both planned on being demolished in the near future.

The survey was performed on August 27, 2012.

Scope of Study

The purpose of this study was to identify asbestos-containing materials in the building so they can be removed prior to the demolition. In addition, hazardous materials were inventoried in the building for proper removal and disposal prior to the demolition of the building.

Destructive entry was performed, and specific locations of asbestos containing materials were identified.

Every accessible material in the facility was neither sampled nor analyzed. Rather, materials were grouped homogeneously based on date of application, color, size, etc. Samples of each homogeneous group were then taken and analyzed for asbestos.

Standards

The Occupational Safety and Health Administration (OSHA), the state of Minnesota, and the Environmental Protection Agency (EPA) all have promulgated regulations governing asbestos in buildings and/or asbestos exposure in a working environment.

OSHA Standards State that personnel asbestos exposure must not exceed 0.1 fibers per cubic centimeter of air based on an 8-hour time weighted average.

Minnesota regulations state that any damaged, friable asbestos must be repaired and that asbestos must be evaluated prior to any planned renovation. The Minnesota Department of Health also has rules governing asbestos abatement. These rules govern worker training, abatement notifications, licensing, methodology, etc.

The EPA governs the disposal of asbestos, air emissions, and notification procedures for abatement. The EPA also governs asbestos in schools and asbestos in demolition projects.

METHODOLOGY

Bulk Asbestos Sampling

Bulk samples were collected by wetting the material in question with amended water. A small portion of this material was then removed and placed directly in a sealed container for transport to Techtron Engineering's in-house laboratory.

Bulk Asbestos Analysis

Analysis was performed by Techtron Engineering in accordance to EPA methodology. This method detects asbestos in volumetric concentrations of 1% or greater. Bulk samples were checked for the following asbestiform minerals: chrysotile, amosite, crocidolite, anthophyllite, and tremolite-actinolite. The lab sample results can be found in appendix II.

DISCUSSION

Bulk sample results and visual observations were used to identify and homogeneously group materials within each area. Generalizations were then made on the types of materials that do or do not contain asbestos.

Bulk Sample Results

Bulk samples results are located in Appendix I sorted alphabetically by "Sample Type". Appendix II contains sample results from the lab. Appendix III contains a site map with floor plans of the buildings.

Summary of Asbestos-Containing Materials

Building 1

No asbestos-containing materials were identified during the survey of the building.

Building 2

No asbestos-containing materials were identified during the survey of the building.

Summary of Hazardous Materials

Building 1

Limited hazardous materials were present in building 1 at the time of the survey. The inspector noted roughly seven light ballast with possible PCB's and fourteen fluorescent bulbs which contain mercury vapor.

Building 2

Multiple hazardous materials were identified at building 2 at the time of the survey. Approximately nine fluorescent bulbs and seven light ballast were found throughout the building. Two mercury-containing thermostats were found in the building space. The exterior A/C units will also need to be removed due to the units likely containing Freon. The inspector noted five separate air conditioner units along the east side of the building. Lastly, multiple electrical transformers, which commonly contain PCB's, were present in the building near the other electrical equipment.

Flaking Paint throughout Property

All flaking /deteriorated paint on the subject property was tested using an XRF analyzer to determine if paints were lead-based. None of the flaking/deteriorated paints tested on the subject property met the EPA/HUD lead-based paint standard of 1.0mg/cm^2. Database of XRF sampling results can be found in appendix I.

*Although not considered hazardous materials, any major appliances that remained in the buildings (i.e. water heater, garage door motors, furnaces) should be removed prior to demolition. These materials cannot be disposed of as general construction debris.

CONCLUSIONS/RECOMMENDATIONS

No asbestos-containing materials were identified during the survey of the two buildings at the subject property. No flaking lead-based paint was present during the survey of the subject property.

The hazardous materials listed above and identified during the survey need to be removed prior to demolition of the buildings. These materials will need to be disposed of properly according to regulations.

There is no guarantee, implied or otherwise, that all asbestos containing materials have been identified. If suspect materials are encountered during renovation and/or demolition that have not been addressed in this report, the material must not be disturbed until the suspect material is positively identified.

Under no circumstances is this report to be used as a bid document.

OSHA 1926.1101 requires that personnel who may come into contact with asbestos containing materials must receive annual 2-hour asbestos awareness training.

If you have any comments or questions pertaining to this report, you can contact me at 763-712-9502.

Prepared by:

Techtron Engineering

Andy Turbitt
Asbestos Inspector
AI#1048

--APPENDIX I--

BULK SAMPLE RESULTS SORTED BY SAMPLE TYPE & XRF DATABASE

Pre-Demolition Asbestos Survey
City of Ramsey
8020 - 147th Ave. NW, Building 1
Ramsey, MN

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
9	Exterior Front Entry, door frame	Caulk	Dark brown caulking	NAFD
12A	Main Floor Office Restroom, floor	Flooring	Gray-green w/ white 12"x12" vinyl floor tile	NAFD
13A	Dock 1 Restroom, floor	Flooring	Gray-green w/ white 12"x12" vinyl floor tile	NAFD
10A	Main Floor Storage Closet, floor	Flooring	White w/ pink 12"x12" vinyl floor tile	NAFD
11A	Upstairs Kitchenette, floor	Flooring	White w/ pink 12"x12" vinyl floor tile	NAFD
2A	Dock 1 Shipping/Receiving Area, wall	Joint Compound	White joint compound	NAFD
3A	Main Floor Offices, wall	Joint Compound	White joint compound	NAFD
5B	Upstairs Break Area, ceiling	Joint Compound	White joint compound	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
7A	Upstairs Break Area, wall	Joint Compound	White joint compound	NAFD
8A	Upstairs Furnace/Utility Closet, duct chase	Joint Compound	White joint compound	NAFD
2B	Dock 1 Shipping/Receiving Area, wall	Joint Tape	Cream joint tape	NAFD
5C	Upstairs Break Area, ceiling	Joint Tape	Cream joint tape	NAFD
10B	Main Floor Storage Closet, floor	Mastic	Clear mastic from sample 10A	NAFD
11B	Upstairs Kitchenette, floor	Mastic	Clear mastic from sample 11A	NAFD
12B	Main Floor Office Restroom, floor	Mastic	Clear-yellow mastic from sample 12A	NAFD
13B	Dock 1 Restroom, floor	Mastic	Clear-yellow mastic from sample 13A	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
14B	Exterior, roof	Roofing Materials	Shingle w/ black rock	NAFD
14A	Exterior, roof	Roofing Materials	Shingle w/ brown rock	NAFD
1B	Main Floor Offices, ceiling	Sheet Rock	White sheet rock	NAFD
2C	Dock 1 Shipping/Receiving Area, wall	Sheet Rock	White sheet rock	NAFD
3B	Main Floor Offices, wall	Sheet Rock	White sheet rock	NAFD
6	Dock 2, wall	Sheet Rock	White sheet rock	NAFD
7B	Upstairs Break Area, wall	Sheet Rock	White sheet rock	NAFD
8B	Upstairs Furnace/Utility Closet, duct chase	Sheet Rock	White sheet rock	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
1A	Main Floor Offices, ceiling	Texture	White ceiling texture	NAFD
4	Main Floor Front Entry, ceiling	Texture	White ceiling texture	NAFD
5A	Upstairs Break Area, ceiling	Texture	White ceiling texture	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

TECHTRON
engineering inc.
environmental solutions

640 East Main Street
Anoka, MN 55303
Phone 763.712.9502
Fax 763.712.9504

www.techtron.biz

Pre-Demolition Survey
8020 – 147th Avenue NW, Building 1
Ramsey, MN

Techtron Job # F12-2879

Following are the results of XRF lead testing performed on August 27, 2012 at the subject property listed above. The two buildings on the property were planned on being demolished in the near future. The sampling listed below was from Building 1 on the subject property.

Methodology

Sampling of painted surfaces was performed utilizing a NITON XL-300 Series Lead Analyzer. This equipment is a direct-read analytical device that does not require substrate correction and does not report inconclusive readings.

Paint/coatings are considered to be lead-based, as defined by HUD/EPA guidelines, if they contain greater than one milligram per square centimeter of lead. Paint whose lead levels were less than one milligram per square centimeter was reported as negative (no lead detected).

Scope of Work

A complete lead-based paint inspection was not performed. Rather, XRF testing was performed on any surface where paint was flaking from the substrate material. The building was planned on being demolished. Sides of the building were labeled with letters A-D starting at the side facing the street and continuing clockwise.

Results

Results of samples are as follow:

Sample	Location	Structure Sampled	Results*
1	Calibration	N/A	N/A
2	Calibration	N/A	N/A
3	Calibration	N/A	N/A
4	Building 1 Exterior, Side A	Brown wood door frame	Negative
5	Building 1 Exterior, Side B	Brown wood service door frame	Negative
6	Building 1 Exterior, Side B	Brown wood garage door frame	Negative
7	Building 1 Exterior, Side C	Brown wood garage door frame	Negative
8	Calibration	N/A	N/A
9	Calibration	N/A	N/A
10	Calibration	N/A	N/A

*results reported as milligram per square centimeter

Conclusions

None of the flaking/delaminating surfaces coatings tested at the property were found to be lead-based paint. All surfaces tested by XRF had lead contents less than the EPA threshold of 1.0 mg/cm².

Prepared by:

Techtron Engineering

Andy Turbitt
Lead Inspector/Risk Assessor

Pre-Demolition Asbestos Survey
City of Ramsey
8020 - 147th Ave. NW, Building 2
Ramsey, MN

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
1	Front Entry Room, ceiling	Texture	White ceiling texture	NAFD
2	Front Entry Restroom, ceiling	Texture	White ceiling texture	NAFD
3A	Dock 3, wall	Joint Compound	White joint compound	NAFD
3B	Dock 3, wall	Joint Compound	Tan joint tape	NAFD
3C	Dock 3, wall	Sheet Rock	White sheet rock	NAFD
4A	Upstairs Break Area, ceiling	Texture	White ceiling texture	NAFD
4B	Upstairs Break Area, ceiling	Sheet Rock	White sheet rock	NAFD
5	Upstairs Break Area, wall	Sheet Rock	White sheet rock	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
6A	Upstairs Kitchenette, floor	Flooring	Cream/off-white/gray linoleum	NAFD
6B	Upstairs Kitchenette, floor	Mastic	Cream/white mastic from sample 6A	NAFD
7A	Upstairs Kitchenette, floor	Flooring	Cream/off-white/gray linoleum	NAFD
7B	Upstairs Kitchenette, floor	Mastic	Cream/white mastic from sample 7A	NAFD
8A	Dock 3 Restroom, floor	Flooring	Tan/cream/gold specks, rectangle pattern linoleum	NAFD
9A	Front Entry Restroom, floor	Flooring	Tan/cream/gold specks, rectangle pattern linoleum	NAFD
9B	Front Entry Restroom, floor	Mastic	Clear yellow mastic from sample 9A	NAFD
10	Upstairs Furnace, line breaches	Putty/Caulk	Black, gummy putty wrap	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

Bulk Sample Results--Sorted by Sample Type

Sample Number	Sample Location	Sample Type	Sample Description	Sample Results*
11	Exterior, A/C unit line wall breach	Putty/Caulk	Cream/gray putty/caulking	NAFD
12	Exterior, wall breach	Putty/Caulk	Black/gray putty/caulking	NAFD
13A	Exterior, roof	Roofing Materials	Shingle w/ brown rock	NAFD
13B	Exterior, roof	Roofing Materials	Shingle w/ black rock	NAFD

*NAFD = No Asbestos Fibers Detected
"<" denotes a "less than" value

Asbestos types are chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

TECHTRON
engineering inc.
environmental solutions

640 East Main Street
Anoka, MN 55303
Phone 763.712.9502
Fax 763.712.9504

www.techtron.biz

Pre-Demolition Survey
8020 – 147th Avenue NW, Building 2
Ramsey, MN

Techtron Job # F12-2879

Following are the results of XRF lead testing performed on August 27, 2012 at the subject property listed above. The two buildings on the property were planned on being demolished in the near future. The sampling listed below was from Building 2 on the subject property.

Methodology

Sampling of painted surfaces was performed utilizing a NITON XL-300 Series Lead Analyzer. This equipment is a direct-read analytical device that does not require substrate correction and does not report inconclusive readings.

Paint/coatings are considered to be lead-based, as defined by HUD/EPA guidelines, if they contain greater than one milligram per square centimeter of lead. Paint whose lead levels were less than one milligram per square centimeter was reported as negative (no lead detected).

Scope of Work

A complete lead-based paint inspection was not performed. Rather, XRF testing was performed on any surface where paint was flaking from the substrate material. The building was planned on being demolished. Sides of the building were labeled with letters A-D starting at the side facing the street and continuing clockwise.

Results

Results of samples are as follow:

Sample	Location	Structure Sampled	Results*
1	Calibration	N/A	N/A
2	Calibration	N/A	N/A
3	Calibration	N/A	N/A
4	Building 2 Exterior, Side A	Brown wood door frame	Negative
5	Building 2 Exterior, Side A	Brown wood service door frame	Negative
6	Building 2 Exterior, Side A	Brown wood window sill	Negative
7	Building 2 Exterior, Side A	Brown wood window sash	Negative
8	Building 2 Exterior, Side B	Brown wood window sill	Negative
9	Building 2 Exterior, Side B	Brown wood window sash	Negative
10	Building 2 Exterior, Side B	Brown wood window sill	Negative
11	Building 2 Exterior, Side B	Brown wood window sash	Negative

*positive results reported as milligram per square centimeter

Sample	Location	Structure Sampled	Results*
12	Building 2 Exterior, Side C	Brown wood door frame	Negative
13	Building 2 Exterior, Side C	Brown wood service door frame	Negative
14	Building 2 Exterior, Side D	Brown wood door frame	Negative
15	Dock 4	Gray-painted concrete floor slab	Negative
16	Calibration	N/A	N/A
17	Calibration	N/A	N/A
18	Calibration	N/A	N/A

*positive results reported as milligram per square centimeter

Conclusions

None of the flaking/delaminating surfaces coatings tested at the property were found to be lead-based paint. All surfaces tested by XRF had lead contents less than the EPA threshold of 1.0 mg/cm².

Prepared by:

Techtron Engineering

Andy Turbitt
Lead Inspector/Risk Assessor

--APPENDIX II--

BULK SAMPLE RESULTS
LAB RESULTS

TECHTRON
engineering inc.
environmental solutions

640 East Main Street
Anoka, MN 55303
Phone 763.712.9502
Fax 763.712.9504

www.techtron.biz

August 27, 2012

Techtron Engineering
640 E Main St.
Anoka, MN 55303

Project Location: **8020 – 147th Ave NW, Building 1, Ramsey, MN**
Techtron Job #: F12-2879 A
Techtron Lab #: PLM-12-15541
Surveyed by: Andrew Turbitt
Samples Collected: 8/27/12
Samples Analyzed: 8/27/12
Analyzed by: Melissa Cook
Number of samples submitted: 27
Number of samples analyzed: 27

Test Report: Asbestos Bulk Materials Identification by PLM

Following are the results of material samples obtained for asbestos identification analysis. Samples were observed at 30X and suspect fibers were picked from the bulk samples and observed under polarized light microscopy. The fibers were then evaluated under crossed polars for extinction angle, sign of elongation, and morphology. Dispersion staining techniques using different Cargille liquids and observing colors at two different orientations of the crystal were then performed.

Analysis was performed according to EPA method 600/R-93/116. This method detects asbestos in volumetric concentrations of 1% or greater. Bulk samples were checked for the following types of asbestiform minerals: chrysotile, amosite, crocidolite, anthophyllite, and tremolite-actinolite.

Laboratory Manager,

MCook

Melissa Cook

Client #	Lab ID #	Sample Location	Sample Description	Asbestos Results
1A	38590	Main floor offices, ceiling	White texture, top layer	**NAFD**
1B	38591	Main floor offices, ceiling	White sheet rock, 2nd layer	**NAFD**
2A	38592	Dock 1 shipping/receiving, wall	White joint compound, top layer	**NAFD**
2B	38593	Dock 1 shipping/receiving, wall	Cream joint tape, 2nd layer	**NAFD**
2C	38594	Dock 1 shipping/receiving, wall	White sheet rock, 3rd layer	**NAFD**
3A	38595	Main floor offices, wall	White joint compound, top layer	**NAFD**
3B	38596	Main floor offices, wall	White sheet rock, 2nd layer	**NAFD**
4	38597	Main floor front entry, ceiling	White texture	**NAFD**
5A	38598	Upstairs break area, ceiling	White texture, top layer	**NAFD**
5B	38599	Upstairs break area, ceiling	White joint compound, 2nd layer	**NAFD**
5C	38600	Upstairs break area, ceiling	Cream joint tape, 3rd layer	**NAFD**
6	38601	Dock 2, wall	White sheet rock	**NAFD**
7A	38602	Upstairs break area, wall	White joint compound, top layer	**NAFD**
7B	38603	Upstairs break area, wall	White sheet rock, 2nd layer	**NAFD**
8A	38604	Upstairs utility closet, duct chase	White joint compound, top layer	**NAFD**
8B	38605	Upstairs utility closet, duct chase	White sheet rock, 2nd layer	**NAFD**
9	38606	Exterior front entry, door frame	Dark brown caulk	**NAFD**
10A	38607	Main floor storage closet, floor	12x12 White w/pink floor tile	**NAFD**
10B	38608	Main floor storage closet, floor	Clear mastic from sample #10A	**NAFD**
11A	38609	Upstairs kitchenette, floor	12x12 White w/pink floor tile	**NAFD**
11B	38610	Upstairs kitchenette, floor	Clear mastic from sample #11A	**NAFD**
12A	38611	Main floor office, restroom floor	12x12 Gray-green/white floor tile	**NAFD**
12B	38612	Main floor office, restroom floor	Clear-yellow mastic from sample #12A	**NAFD**

NAFD = No Asbestos Fibers Detected

Client #	Lab ID #	Sample Location	Sample Description	Asbestos Results
13A	38613	Dock 1 restroom, floor	12x12 Gray-green/white floor tile	**NAFD**
13B	38614	Dock 1 restroom, floor	Clear-yellow mastic from sample #12A	**NAFD**
14A	38615	Exterior, roof	Shingle w/brown rock	**NAFD**
14B	38616	Exterior, roof	Shingle w/black rock	**NAFD**

NAFD = No Asbestos Fibers Detected

TECHTRON
engineering inc.
environmental solutions

640 East Main Street
Anoka, MN 55303
Phone 763.712.9502
Fax 763.712.9504

www.techtron.biz

August 27, 2012

Techtron Engineering
640 E Main St.
Anoka, MN 55303

Project Location: **8020 – 147th Ave NW, Building 2, Ramsey, MN**
Techtron Job #: F12-2879 B
Techtron Lab #: PLM-12-15542
Surveyed by: Andrew Turbitt
Samples Collected: 8/27/12
Samples Analyzed: 8/27/12
Analyzed by: Melissa Cook
Number of samples submitted: 21
Number of samples analyzed: 21

Test Report: Asbestos Bulk Materials Identification by PLM

Following are the results of material samples obtained for asbestos identification analysis. Samples were observed at 30X and suspect fibers were picked from the bulk samples and observed under polarized light microscopy. The fibers were then evaluated under crossed polars for extinction angle, sign of elongation, and morphology. Dispersion staining techniques using different Cargille liquids and observing colors at two different orientations of the crystal were then performed.

Analysis was performed according to EPA method 600/R-93/116. This method detects asbestos in volumetric concentrations of 1% or greater. Bulk samples were checked for the following types of asbestiform minerals: chrysotile, amosite, crocidolite, anthophyllite, and tremolite-actinolite.

Laboratory Manager,

MCook

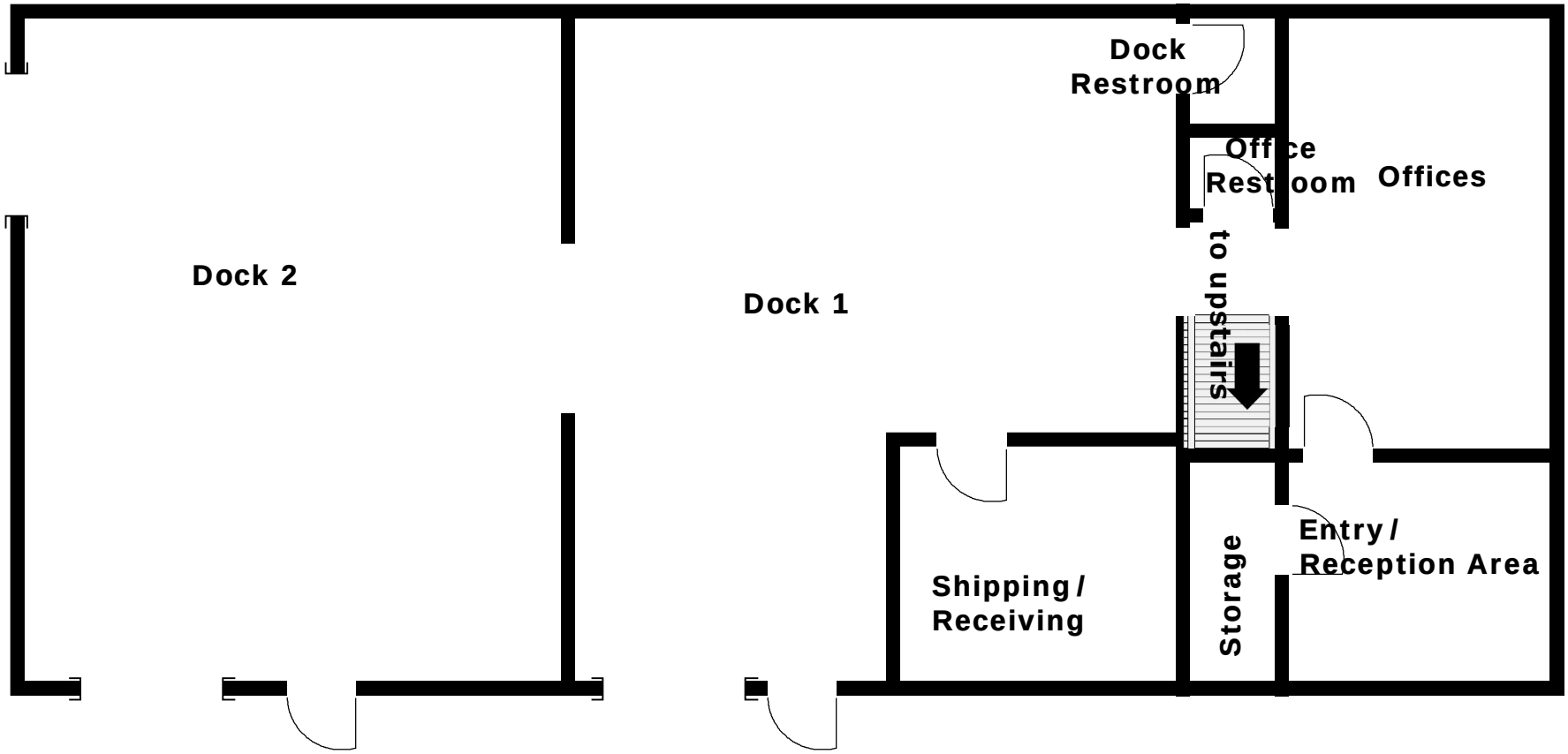
Melissa Cook

Client #	Lab ID #	Sample Location	Sample Description	Asbestos Results
1	38617	Front entry, ceiling	White texture	**NAFD**
2	38618	Front entry rest room, ceiling	White texture	**NAFD**
3A	38619	Dock 3, wall	White joint compound, top layer	**NAFD**
3B	38620	Dock 3, wall	Tan joint tape, 2nd layer	**NAFD**
3C	38621	Dock 3, wall	White sheet rock, 3rd layer	**NAFD**
4A	38622	Upstairs break area, ceiling	White texture, top layer	**NAFD**
4B	38623	Upstairs break area, ceiling	White sheet rock, 2nd layer	**NAFD**
5	38624	Upstairs break area, wall	White sheet rock	**NAFD**
6A	38625	Upstairs kitchenette, floor	Cream/off-white/gray linoleum	**NAFD**
6B	38626	Upstairs kitchenette, floor	Cream/white mastic from sample #6A	**NAFD**
7A	38627	Upstairs kitchenette, floor	Cream/off-white/gray linoleum	**NAFD**
7B	38628	Upstairs kitchenette, floor	Cream/white mastic from sample #7A	**NAFD**
8A	38629	Dock 3 restroom, floor	Tan/cream/gold specks, rectangle pattern linoleum	**NAFD**
8B	38630	Dock 3 restroom, floor	Clear yellow mastic from sample #8A	**NAFD**
9A	38631	Front entry restroom, floor	Tan/cream/gold specks, rectangle pattern linoleum	**NAFD**
9B	38632	Front entry restroom, floor	Clear yellow mastic from sample #9A	**NAFD**
10	38633	Upstairs furnace, line breach	Black, gummy wrap	**NAFD**
11	38634	Exterior ground A/C unit, line wall breach	Cream/gray putty/caulk	**NAFD**
12	38635	Exterior, wall breach	Black/gray putty/caulk	**NAFD**
13A	38636	Exterior, roof	Shingle w/brown rock	**NAFD**
13B	38637	Exterior, roof	Shingle w/black rock	**NAFD**

NAFD = No Asbestos Fibers Detected

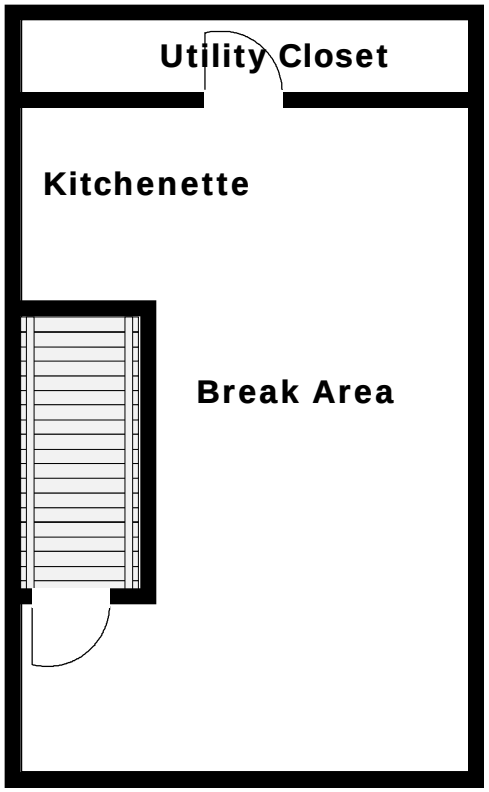
--APPENDIX III—

SITE MAP



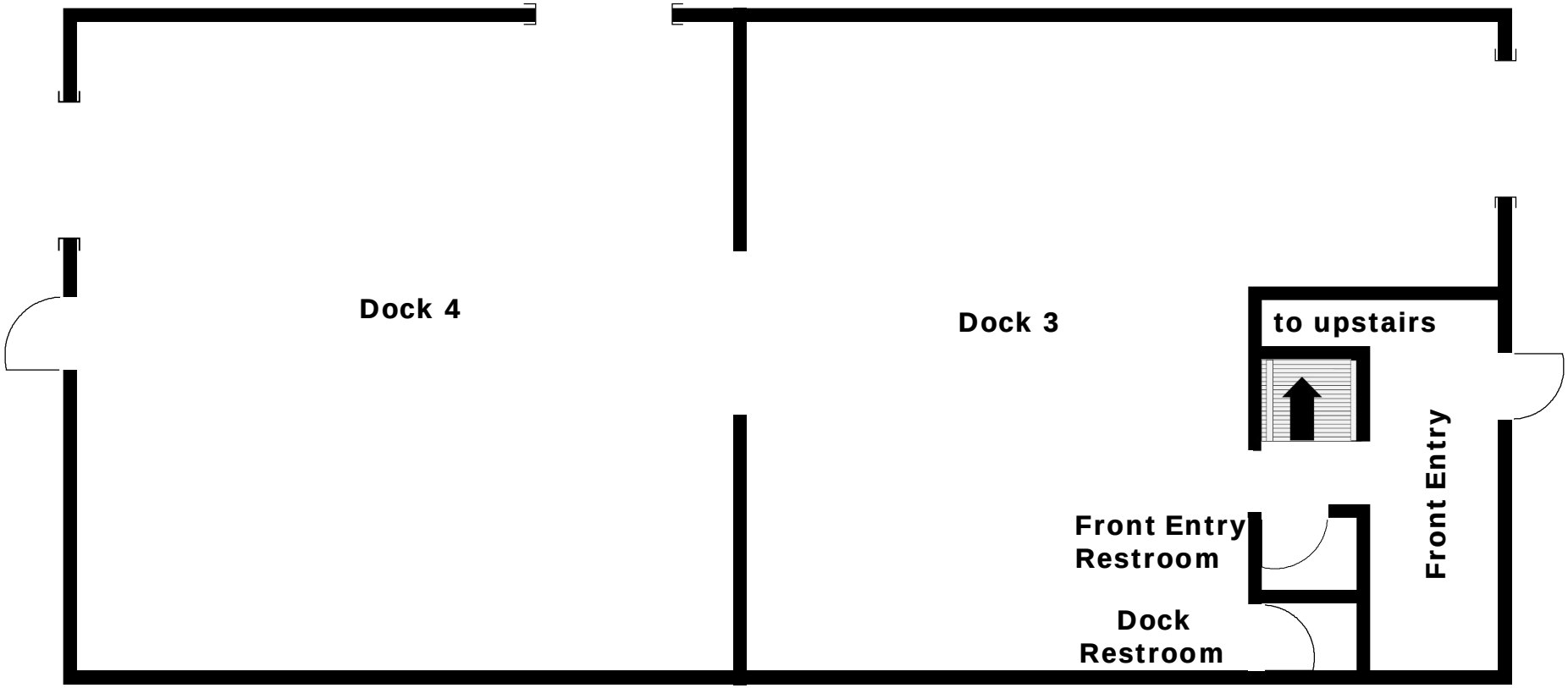
Building 1
Main Floor

8020 - 147th Avenue NW
Ramsey, MN



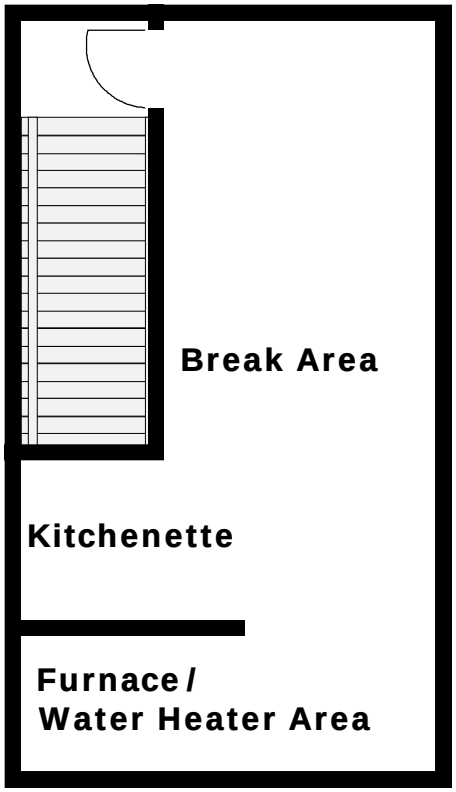
Building 1
Upstairs

8020 - 147th Avenue NW
Ramsey, MN



Building 2
Main Floor

8020 - 147th Avenue NW
Ramsey, MN



Building 2
Upstairs

8020 - 147th Avenue NW
Ramsey, MN

--APPENDIX IV—

LICENSES & CERTIFICATIONS

MDH ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health
Expires: 10/14/2012

Andrew D Turbitt
11948 London St NE
Blaine, MN 55449

Director, Env. Health Div.

No. AI10482 Issued: 10/24/2011

Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR3165
Expires 03/05/2013

Andrew D Turbitt
11948 London St NE
Blaine, MN 55449