

ASBESTOS INSPECTION REPORT

**Rath Pump Rooms
Behind Rath Administration
Alley behind Veridian Credit Union**

SUBMITTED TO:

City of Waterloo
714 Mulberry St.
Waterloo, Iowa 50703

ASBESTOS INSPECTION

prepared by:



Travis J. Haas, Inspector

12/12/2007

Date

07-2735 I

Inspector #

2/9/2008

License Expiration date

ADVANCED Environmental Testing and Abatement

803 Ricker Street
Waterloo, Iowa 50703

REPORT DATA

BUILDING NAME: **Old Pump Rooms**

INSPECTION AREAS: **Interior & Exterior of Building**

CLIENT CONTRACT: City Waterloo
 715 Mulberry St.
 Waterloo, Iowa
 Att: Chris Western

OVERVIEW:

A complete asbestos inspection was conducted by Travis J. Haas, Inspector (IA License # 07-27351) on 12/7/07. The inspection was on the entire building located at 620 Iowa St., Dubuque, Iowa. There were a total of 9 samples taken from the interior and exterior of the buildings.

The purpose of this inspection was to identify asbestos containing materials prior to commencing an upcoming demolition. The inspection entailed a visual assessment of the property for suspect asbestos containing materials, collection, and submittal of bulk samples for analysis.

This report is a summary of the materials assumed to contain asbestos & samples confirmed to contain > 1% asbestos, their quantities, and locations.

Any sample under 10% asbestos can be point counted for a more accurate result.

SEE NEXT PAGE

SUMMARY OF MATERIALS FOUND TO CONTAIN ASBESTOS (Includes materials assumed to contain asbestos)

McDonald's
620, Iowa St.
Dubuque, Iowa 52001

<u>TYPE OF MATERIAL</u>	<u>LOCATION</u>	<u>QUANTITY</u>	<u>% ASBESTOS</u>	<u>F or NF</u>	<u>Damage</u>
Caulking	East building around S.E. door	5 Sq. Ft	5%	NF	no
Tar	Black tar on green roll roofing east building	10 Sq. Ft.	10%	NF	no
Tar	Black/grey tar on roof edges	10 Sq. Ft.	10%	NF	no
Glazing	Window Glazing	2 Windows	2%	NF	no
Tar	Black tar on penetrations West Building	10 Sq. Ft.	5%	NF	no
Electrical Blocks	Electrical Blocks in Electrical panel	5 Sq. Ft.	10%	NF	no
Glazing	Window Glazing	1 Window	2%	NF	no

[illegible]

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0060027

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: ADVANCED ENVIRONMENTAL
Address: TESTING & ABATEMENT, INC. 803
RICKER ST.
WATERLOO IA 50703

Job# / P.O. #: Q15332
Date Received: 12/10/2007

Collected:
Project Name/ RATH PUMP BLDGS
Address:

Date Analyzed: 12/12/2007
Date Reported: 12/12/2007
EPA Method: EPA 600/M4-82-020
Submitted By: TRAVIS HAAS
Collected By: Customer

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0060027-001 R-1	EAST BLDG-IN CRAWLSPACE	Insulation, Brown	No		Cellulose Fiber 95% Quartz Binder/Filler 5%
0060027-002 R-2	EAST BLDG- AROUND S. DOOR	Caulking, White	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
0060027-003 R-3	EAST BLDG-ON ROOF HATCH	Rolled Roofing, Green/ Black	No		Cellulose Fiber 20% Quartz Carbonates Binder/Filler 80%
0060027-004 R-4	EAST BLDG-ON GREEN ROLL ROOFING	Tar, Black	Yes	Chrysotile 10%	Carbonates Binder/Filler 90%
0060027-005 R-5	EAST BLDG-ON ROOF EDGES	Tar, Black	Yes	Chrysotile 10%	Carbonates Binder/Filler 90%
0060027-006 R-6	EAST BLDG- WINDOW	Glazing, Red	Yes	Chrysotile 2%	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 97%
0060027-007 R-7	WEST BLDG-ON PENETRATIONS	Tar, Black	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%

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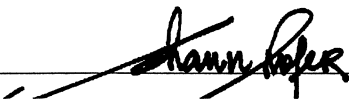
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Collected:
Project Name/ RATH PUMP BLDGS
Address:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0060027-008 R-8	WEST BLDG-IN ELECTRICAL PANEL	Block, Brown	Yes	Chrysotile 10%	Quartz Gypsum Binder/Filler 90%
0060027-009 R-9	WEST BLDG- WINDOW	Glazing, Red/ Off White	Yes	Chrysotile 2%	Carbonates Quartz Binder/Filler 98%



Analyst - Johann Hofer



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernable layer. All analyses are derived from calibrated visual estimate and measured in weight percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately <1% by weight. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by any entity to claim product endorsement by NVLAP or any agency of the U.S. Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

INTRODUCTION

For each area of the building, the inspector performing the inspection did the following:

1. Visually inspected the area(s) to identify the locations of all suspect Asbestos Containing Building Materials.
2. Identify all homogeneous areas of friable and non-friable suspected asbestos.
3. Assume, if necessary, that some or all of the homogeneous area(s) are Asbestos Containing Material (ACM), and for each homogeneous area that is not assumed to be ACM, collect and submit bulk samples for analysis.

DEFINITIONS:

HOMOGENEOUS AREA

An area which appears similar throughout in terms of color, texture, and date of material application.

SURFACING MATERIAL

Material in a building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

THERMAL SYSTEM INSULATION

Means material applied to pipes, fittings, boilers breeching, tanks ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or other purposes.

MISCELLANEOUS MATERIAL

Interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

SAMPLING AND ANALYSIS

All samples to be analyzed by Polarized Light Microscopy (PLM). Analysis was performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F.

A homogeneous area was considered not to contain Asbestos Containing Material (ACM) only if the results of all samples collected from the area showed asbestos in the amounts of one (1) percent (%) or less ($\leq 1\%$). A homogeneous area contains ACM when one or more samples collected from that area shows greater than one (1) percent (%) asbestos ($>1\%$).

FRIABLE

Any material containing more than one (1) percent (%) asbestos, that, when dry can be crumbled, pulverized, or reduced to a powder by hand pressure.

NON-FRIABLE (CATEGORY I)

Asbestos Containing packings, gaskets, resilient floor covering, and asphalt roofing products, containing more than one (1) percent (%) asbestos.

NON-FRIABLE (CATEGORY II)

Any excluding Non-Friable (Category I) Asbestos Containing Material, containing more than one (1) percent (%) asbestos.