INSPECTION REPORT

ASBESTOS
SEATTLE, WA - RIVERTON HEIGHTS STATION

15250 32ND AVENUE S
SEATAC, WA 98188-9998

ACKNOWLEDGEMENT

This report was prepared by Maxim Technologies, Inc. utilizing a report format created by the United States Postal Service (USPS) in the Microsoft software program "Access" Version 4.2, dated October 21, 1996, and was presented to the USPS in both hard copy and electronic, diskette format. Additional information concerning this program, the report format, and instructions for obtaining survey data electronically can be obtained from Mr. Daniel Bryant, USPS Western Area, Denver 303/391-5189. Because this report can be electronically updated following any asbestos abatement project, the user should be certain that the copy of the report in use is the most current version. Additional information can be obtained from your District Environmental Coordinator.

UNITED STATES POSTAL SERVICE ASBESTOS SURVEY

SURVEY CONTRIBUTORS / CONTRACT INFORMATION

USER AGENCY:	United States Postal Service
FACILITY NAME:	Seattle, WA - Riverton Heights Station Post Office
FINANCE/SUB #:	547616/615
FACILITY ADDRESS:	15250 32nd Avenue S
	P.O. Box 9998
	SeaTac, WA 98188-9998
FACILITY TELEPHONE #:	(206) 242-0022
USPS SITE CONTACT:	Mr. Bill Chambers
DATE OF SURVEY:	05/13/1997
CONSULTING FIRM NAME:	Maxim Technologies, Inc.
CONSULTING FIRM ADDRESS:	1610 B Street
	P.O. Box 4699
	Helena, MT 59604-4699
CONSULTING FIRM PHONE #:	(406) 443-5210
CONTRACT NUMBER:	072976-95-B-0004
PROJECT NUMBER:	5609702640.A1
WORK ORDER NUMBER:	742.00
LABORATORY ADDRESS:	Maxim Technologies, Inc.
	600 South 25th Street
	Billings, MT 59101-4549
LABORATORY PHONE #:	(406)248-9161
The following Ashastas Sumay E	> Panarthuae compiled and written by:

Ion Weaver

EPA Accredited Building Inspector

Inspector's Signature:

Tom Weaver

State Accreditation No.: Vermont 97-1123: Expiration 4/98

This Asbestos Survey was reviewed by:

Certified Industrial Hygienist Signature: Kulllu A. Suif

by Dd

Certified Industrial Hygienist

ABIH Cert. #: 2700

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INTRODUCTION

An inspection of the Seattle, WA - Riverton Heights Station Post Office located at 15250 32nd Avenue S, P.O. Box 9998 SeaTac, WA 98188-9998, was conducted to identify friable and nonfriable known or suspected asbestos-containing building materials (ACBM). The scope of the inspection included:

1) Pre-survey Tasks

- Inform employees, management, and union representatives, of the ACBM inspection process.
- Review existing as-built drawings and develop a preliminary sampling plan.
- 2) An ACBM Inspection
- · Inspect, identify, and sample suspect ACBM
- · Photographic documentation of ACBM
- 3) A report documenting sampling procedures and results of ACBM

EXECUTIVE SUMMARY

Maxim Technologies, Inc. was retained by the United States Postal Service to perform asbestos inspection services at the Seattle, WA - Riverton Heights Station Post Office located at 15250 32nd Avenue S, SeaTac, WA 98188-9998. No previous asbestos survery is known to have been performed at this facility.

The Seattle, WA - Riverton Heights Station Post Office was constructed in 1974. The facility is a single-story, slab-on-grade, brick structure with 17,214 square feet of building space. Interior finishes observed at the facility consist of brick, sheetrock and plaster walls, sheetrock and panelled ceilings, and vinyl tile floors with rubber wall base moldings. The facility is heated by an oil-fired hot water forced air furnace. Pipes and pipe fittings observed at the facility are insulated with fiberglass and thermal insulation joint compound. The roof is a flat Firestone Single Ply Roofing Membrane System.

Asbestos

Maxim Technologies, Inc. conducted an asbestos inspection at the Seattle, WA - Riverton Heights Station Post Office on 5/13/97. The following homogeneous areas of asbestoscontaining building materials were identified through laboratory analysis, or have been assumed asbestos-containing according to the USPS statement of work dated 10/21/96. For particular locations see C.2. and C.3.

Materials Confirmed or Assumed to Contain Asbestos

12" x 12" Floor Tile 12" x 12" Cream Floor Tile 12" x 24" Floor Tile 12" x 24" Black Floor Plank

Mastic under Floor Tile/etc. Mastic Under 12" x 12" Cream Floor Tile

Mastic under Floor Tile/etc. Mastic Under 12" x 24" Black Floor Plank

Roofing Materials Roofing Membrane System - Asphaltic Material

Under Membrane Assumed Positive

Stucco Stucco Facia at Top of Wall - Assumed Positive

Undercoating-S.S.Sinks-etc. Undercoating on Sink

All asbestos-containing materials observed at the facility were in good condition and activities that would render the materials friable should be avoided. Damaged, friable ACBM requiring immediate management action were not observed.

Based on Maxim's assessment of the building, we recommend that a formal, written operations and maintenance program be developed to assist in maintaining the ACBM within the building. This program would include provisions for the routine reinspection of the identified ACBM, appropriate maintenance and cleaning procedures for the facility and a method for informing in-house and contract workers of the hazards associated with the ACBM, as well as proper work methods. The presence of ACBM within the building should be included in the hazard communication information provided to all building occupants and USPS personnel.

The roofing system and stucco of the facility were not sampled. They were observed to be in good condition and their integrity was not compromised by sampling. The roofing and stucco materials are assumed to be ACBM. Maxim also recommends that prior to disturbance, removal or disposal of the roofing system that samples be collected and analyzed for asbestos content.

PURPOSE AND SCOPE OF WORK

The purpose of this survey is to determine the amount, location, and condition of all friable and non-friable ACBMs located in the Seattle, WA - Riverton Heights Station Post Office located at 15250 32nd Avenue S, SeaTac,WA. Once ACBMs are identified, recommended response actions (based upon Hazard Rankings) are included for each Homogeneous Material in each Functional Space.

BUILDING CHARACTERIZATION

- A.1. Section Summary
- A.2. Building Information Report
- A.3. Functional Area Summary
- A.4. Site Location
- A.5. Floor Plan Layout for Facility

A.1. SECTION SUMMARY

The Building Information Report (Section A.2.) provides information on the age of the facility, type of construction, and type of heating ventilation and cooling system employed along with the facility's typical hours of operation and percentage of the facility surveyed.

The Functional Area Summary (Section A.3.) lists the Floor and Room number and Description of all Functional Areas addressed in this Survey.

A Site Location Map and a Floor Plan Layout for the Facility (Sections A.4. and A.5.) are also found in this section. Actual homogeneous areas and functional spaces are identified in the floor plan. Floor plans relate directly to all following sections and will assist with identifying asbestos locations described in Section C.

A.2. BUILDING INFORMATION

FACILITY ID:

547616/615

CLIENT:

UNITED STATES POSTAL SERVICE

USPS CONTRACT WORK:

Maxim Technologies, Inc.,5609702640.A1

WORK ORDER #:

742.00

FACILITY NAME:

Seattle, WA - Riverton Heights Station Post

Office

ADDRESS:

15250 32nd Avenue S

P.O. Box 9998

SeaTac, WA 98188-9998

TELEPHONE:

(206) 242-0022

CONTACT NAME:

Mr. Bill Chambers

DATE OF INSPECTION:

05/13/1997

ON-SITE INSPECTORS:

Tom Weaver

DATE(S) OF CONSTRUCTION:

1974

PORTION OF BUILDING

INSPECTED (PERCENTAGE):

100%

SQUARE FOOTAGE:

17,214

BUILDING CONSTRUCTION:

Brick, Slab on Grade

HVAC SYSTEM:

Oil-Fired Hot Water Forced Air

HOURS OF OPERATION:

8:30 AM - 3:30 PM (M-F)

FACILITY DRAWINGS AVAILABLE

No

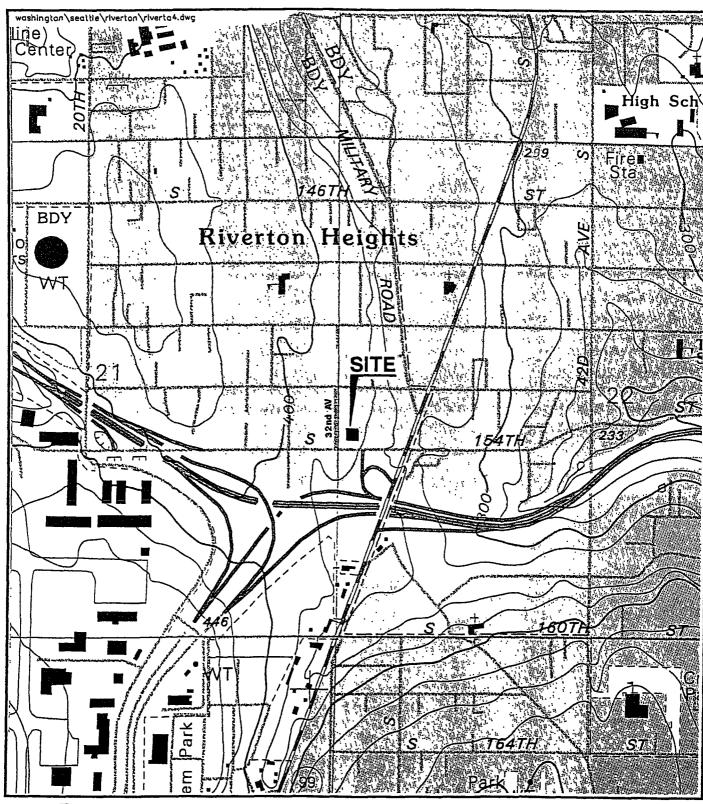
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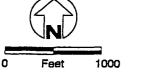
No

A.3. FUNCTIONAL AREA SUMMARY

Floor:	Room:	Desc of Functional Area:	Comments:
1st	101	LOBBIES	Box Lobby
1st	102	LOBBIES	Service Lobby
1st	103	WORK-ROOM/MAIL PROC.	Work Room
1st	104	OFFICES/COMP. ROOMS	Manager's Office
1st	105	VAULTS/ACCT. PAPERS	Vault
1st	106	LOADING DOCK/STORAGE	Supply Room
1st	107	LOADING DOCK/STORAGE	Storage Room
1st	108	LOADING DOCK/STORAGE	Mail Vestibule
1st	109	JANITOR CLOSET	Janitor Closet
1st	110	KITCHEN AREA	Lunch Room
1st	111	LOCKER ROOMS	Men's Locker Room
1st	112	RESTROOMS	Men's Restroom
1st	113	LOCKER ROOMS	Women's Locker Room
1st	114	RESTROOMS	Women's Restroom
1st	115	ENTRANCES AND EXIT AREAS	Entrance Vestibule
1st	116	LOADING DOCK/STORAGE	Loading Dock
1st	117	BOILER/CHILLER ROOMS	Boiler/Chiller Room
1st	118	L.O.G.	Look Out Gallery
1st	119	ROOFS, SIDING AND PANELING	Exterior
2nd	200	ROOFS, SIDING AND PANELING	Roof
CST	COST		CONSULTANT'S COST

A.4. SITE LOCATION MAP



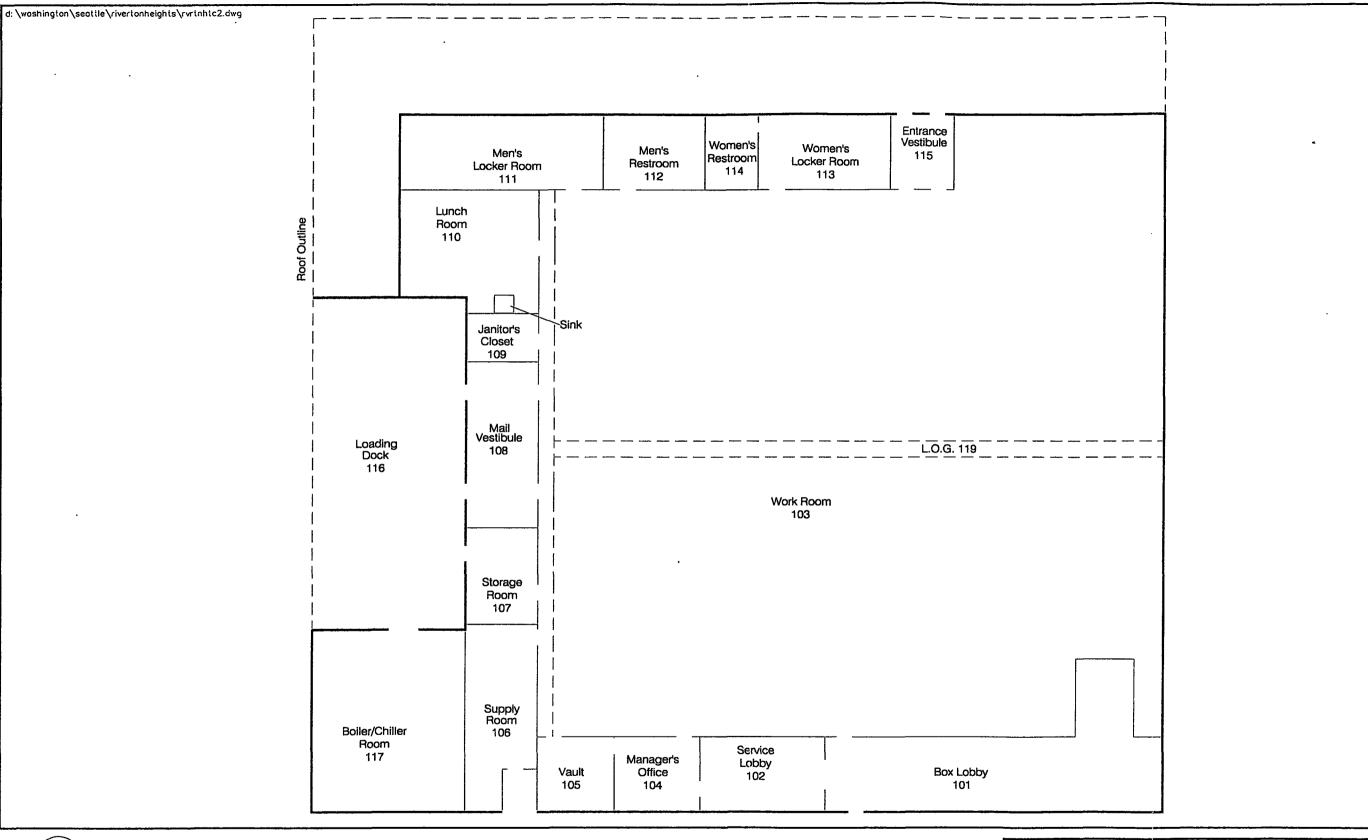


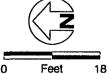
From USGS 7.5' Des Moines Quad

MAXIM 5609702640.A1

Contract No.: 072976-95-B-0004	Location Map
Work Order No.: 742.00	U.S. Postal Service - Asbestos Survey
Finance No.: 547616/615	Riverton Heights Station, SeaTac, Washington
Date: August 1997	FIGURE A.4

A.5. FLOOR PLAN LAYOUT FOR FACILITY





Note Functional Area 118 is the Exterior Functional Area 200 is the Roof

Contract No.: 072976-95-B-0004	Floor Plan
Work Order No.: 742.00	U.S. Postal Service - Asbestos Survey
Finance No.: 547616/615	Riverton Heights Branch, SeaTac, Washington
Date: June 1997	FIGURE A.5

MAXIM 5609702640.A1

FUNCTIONAL AREA REVIEW DESCRIPTION

- B.1. Section SummaryB.2. Functional Area SurveyB.3. Representative List of Materials likely to contain Asbestos

B.1. SECTION SUMMARY

This Section explains the entries in Section C.3. Examples of Functional Area categories are provided in Section G: References "General Categories of Functional Areas". The facility Functional Areas (by floor) are described in the Section A.3.

B.2. FUNCTIONAL AREA SURVEY

In Section C, the reader will find the inspection data in detail organized by Functional Floor and Area Location. Section A.3. provides the Functional Area Summary for the facility.

FUNCTIONAL AREA

The floor and location number together make up the functional space identification.

FUNCTIONAL AREA DESCRIPTION

This describes the use of the functional area.

HOMOGENEOUS MATERIAL DESCRIPTION

This column will provide a description of the material which will consider such factors as size, application, and color. This description will also aid in distinguishing between different homogeneous materials within a functional area.

SACBM

Suspected Asbestos-Containing Building Materials (SACBM) are materials identified for sampling which may or may not be regulated ACBM.

Thermal System Insulation (TSI) is any insulation applied to heating or mechanical system components.

Surfacing material (S) refers to a wide range of products applied to building surfaces.

Floor Covering (F).

Miscellaneous Material (M) is any material not included in the first three (3) categories.

QUANTITY

This will have the approximate linear footage (LF), square footage(SF) or number of insulated fittings (FTGS) of ACBM.

IS THE MATERIAL FRIABLE?

Y = Yes N = No

ASSOCIATED BULK SAMPLE No.

This will list the sample number associated with the particular material.

RISK ASSESSMENT/HAZARD RANKING

Each known or assumed asbestos-containing material is assessed for condition. The Hazard Potential Classification Decision Tree is presented in Section G, References. It identifies the procedure for assigning hazard rankings of materials as related to the degree of damage observed.

B.2. FUNCTIONAL AREA SURVEY (Continued)

In Table C.3. a Hazard Ranking of 0 means the material is not asbestos (I.e. not regulated - less than or equal to one percent). A Hazard Ranking of 1 to 7 in Table C.3, means that the material is asbestos (greater than one percent).

B.3. REPRESENTATIVE LIST OF MATERIALS LIKELY TO CONTAIN ASBESTOS

T.S.I.

NE	T1 Gasket Materials
S	T2 Pipe Joint Insulation
NE	T3 Straight Pipe Insulation
NE	T4 HVAC Connector Material (adjoining air ducts)
NE	T5 Tank Insulation
NE	T6 Boiler Insulation
NE	T7 Boiler Breaching / Ductwork / Firebrick
NE	T8 Duct Insulation
NE	T9 Patching Material
	SURFACING MATERIALS (SPRAY-ON)
NE	S1 Surfaced-Sprayed, Applied or Troweled-on Materials, Ceilings and Beams
NE	S2 Spray-on Fireproofing
	MISCELLANEOUS MATERIALS
NE	M1 Roofing Materials (only sample without damage to the roofing material)
NE	M2 Exterior Siding Material
S	M3 Wallboard / Taping Material
NE	M4 Transite (cooling tower on roof, soffits, pipes, etc.)
	M5 Ceiling Panels (special attention to dock areas)
 NE	M6 Ceiling Tiles
S	M7 Plaster
NE .	
NE	M8 Caulking M8 Fire Regulation (assumed to be ACM if fire deers are present)
	M9 Fire Door Insulation (assumed to be ACM if fire doors are present)
<u>S_</u> NE	M10 Undercoating / Stainless Steel Sinks / etc.
S	M11 Electrical Insulation
- NE	M12 Baseboard
NE NE	M13 Tile Debris
S	M14 Metalbestos Chimney M15 Stucco
<u>s</u>	M16 Other
	FLOOR COVERING
<u>NE_</u>	F1 Linoleum (seamless floor covering)
<u>S</u> _	F2 12" x 12" Floor Tile
NE	F3 9" x 9" Floor Tile
<u>S_</u>	F4 12" x 24" Floor Plank
S_	F5 Mastic under Floor Tile / Seamless / Ceiling Tiles / Carpet / Plank-Tile
S	Inspector collected (a) bulk sample(s) of the material
NE	Material was not observed to be present during inspection
	•

ASBESTOS LOCATIONS

- C.1. Section Summary
- C.2. ACBM Homogeneous Area Locations Floor Plans
 C.3. Homogeneous Materials Summary by Functional Floor and Area Location

C.1. SECTION SUMMARY

This section contains the heart of this exercise. Herein lies the comprehensive list of survey results for the facility. The data allows the reader to determine the specific areas of the facility which harbor asbestos. The material is also characterized as to type and risk. Section G (Response Actions Based on Hazard Ranking) explains the risk assessment assignment process. Section B.2 provides definitions of C.3 Table Terms.

- · In Section C.3. (Table) a Risk Assessment/Hazard Ranking of zero (0) means that the material is not asbestos (i.e. less than or equal to one percent not regulated).
- · A Risk Assessment/Hazard Ranking entry of one (1) to seven (7) in Section C.3. means that the material is asbestos.
- · Homogeneous Materials can only be identified from Section C.3. by reviewing both the entry under the Homogeneous Material Description column and the associated Comment column entry for any room number.
- · A Homogeneous Material can appear in multiple Functional Areas. A Homogeneous Material which appears in multiple Function Areas may not be sampled in each Functional Area in which it appears.

C.2. ACBM HOMOGENEOUS AREA LOCATIONS FLOOR PLANS

C.3. Homogeneous Material Summary By Functional Floor and Area Locations

Facility Name:

Seattle, WA - Riverton Heights Station Post Office

Address:

15250 32nd Avenue S

City, State, ZIP Code:

SeaTac, WA 98188-9998

Finance No./Sub-Loc. No 547616/615

Date of Inspection:

05/13/1997

Site Inspected By:

Tom Weaver

Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
101	Lobbies	М	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' White Fissured Ceiling Panel
101	Lobbies	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls
102	Lobbies	F	12" x 12" Floor Tile	426	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
102	Lobbies	F	Mastic under Floor Tile/etc.	426	Yes	No	F5.3A,B,C	· 1b	Mastic Under 12" x 12" Cream Floor Tile
102	Lobbies	М	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
102	Lobbies	М	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' White Fissured Ceiling Panel
102	Lobbies	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls
103	Work-Room/Mail Proc.	F	12" x 24" Floor Tile	10700	Yes	No	F4.1A,B,C	1b	12" x 24" Black Floor Plank
103	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	10700	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 24" Black Floor Plank
103	Work-Room/Mail Proc.	М	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
103	Work-Room/Mail Proc.	М	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' White Fissured Ceiling Panel
103	Work-Room/Mail Proc.	М	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
103	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls
104	Offices/Comp. Rooms	F	12" x 12" Floor Tile	194	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
104	Offices/Comp. Rooms	F	Mastic under Floor Tile/etc.	194	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
	No 101 101 102 102 102 102 102 103 103 103 103 103 104	No Area 101 Lobbies 102 Lobbies 102 Lobbies 102 Lobbies 102 Lobbies 102 Lobbies 103 Lobbies 104 Lobbies 105 Lobbies 106 Lobbies 107 Lobbies 108 Work-Room/Mail Proc. 109 Work-Room/Mail Proc. 100 Work-Room/Mail Proc. 100 Work-Room/Mail Proc. 101 Work-Room/Mail Proc. 102 Work-Room/Mail Proc. 103 Work-Room/Mail Proc. 104 Offices/Comp. Rooms	No Area Type 101 Lobbies M 101 Lobbies M 102 Lobbies F 102 Lobbies F 102 Lobbies M 102 Lobbies M 103 Lobbies M 104 Work-Room/Mail Proc. F 105 Work-Room/Mail Proc. M 106 Work-Room/Mail Proc. M 107 Work-Room/Mail Proc. M 108 Work-Room/Mail Proc. M 109 Work-Room/Mail Proc. M 100 Work-Room/Mail Proc. M 101 Work-Room/Mail Proc. M 102 Work-Room/Mail Proc. M 103 Work-Room/Mail Proc. M 104 Offices/Comp. Rooms F	Room No Functional Area SACBM Type Material Description 101 Lobbies M Ceiling Panels 101 Lobbies M Wallboard/Taping Material 102 Lobbies F 12" x 12" Floor Tile 102 Lobbies F Mastic under Floor Tile/etc. 102 Lobbies M Ceiling Panels 102 Lobbies M Wallboard/Taping Material 103 Work-Room/Mail Proc. F 12" x 24" Floor Tile 103 Work-Room/Mail Proc. F Mastic under Floor Tile/etc. 103 Work-Room/Mail Proc. M Baseboard 103 Work-Room/Mail Proc. M Ceiling Panels 103 Work-Room/Mail Proc. M Plaster 103 Work-Room/Mail Proc. M Wallboard/Taping Material 104 Offices/Comp. Rooms F 12" x 12" Floor Tile	Room NoFunctional AreaSACBM TypeMaterial DescriptionQTY101LobbiesMCeiling Panels0101LobbiesMWallboard/Taping Material0102LobbiesF12" x 12" Floor Tile426102LobbiesFMastic under Floor Tile/etc.426102LobbiesMBaseboard0102LobbiesMCeiling Panels0103Work-Room/Mail Proc.F12" x 24" Floor Tile10700103Work-Room/Mail Proc.FMastic under Floor Tile/etc.10700103Work-Room/Mail Proc.MBaseboard0103Work-Room/Mail Proc.MBaseboard0103Work-Room/Mail Proc.MCeiling Panels0103Work-Room/Mail Proc.MPlaster0103Work-Room/Mail Proc.MPlaster0103Work-Room/Mail Proc.MWallboard/Taping Material0104Offices/Comp. RoomsF12" x 12" Floor Tile194	Room NoFunctional AreaSACBM TypeMaterial DescriptionQTYACBM101LobbiesMCeiling Panels0No101LobbiesMWallboard/Taping Material0No102LobbiesF12" x 12" Floor Tile426Yes102LobbiesFMastic under Floor Tile/etc.426Yes102LobbiesMBaseboard0No102LobbiesMCeiling Panels0No102LobbiesMWallboard/Taping Material0No103Work-Room/Mail Proc.F12" x 24" Floor Tile10700Yes103Work-Room/Mail Proc.FMastic under Floor Tile/etc.10700Yes103Work-Room/Mail Proc.MBaseboard0No103Work-Room/Mail Proc.MCeiling Panels0No103Work-Room/Mail Proc.MPlaster0No103Work-Room/Mail Proc.MWallboard/Taping Material0No104Offices/Comp. RoomsF12" x 12" Floor Tile194Yes	Room NoFunctional AreaSACBM TypeMaterial DescriptionQTYACBMFriable101LobbiesMCeiling Panels0NoNo101LobbiesMWallboard/Taping Material0NoNo102LobbiesF12" x 12" Floor Tile426YesNo102LobbiesFMastic under Floor Tile/etc.426YesNo102LobbiesMBaseboard0NoNo102LobbiesMCeiling Panels0NoNo103Work-Room/Mail Proc.F12" x 24" Floor Tile10700YesNo103Work-Room/Mail Proc.FMastic under Floor Tile/etc.10700YesNo103Work-Room/Mail Proc.MBaseboard0NoNo103Work-Room/Mail Proc.MBaseboard0NoNo103Work-Room/Mail Proc.MCeiling Panels0NoNo103Work-Room/Mail Proc.MPlaster0NoNo103Work-Room/Mail Proc.MWallboard/Taping Material0NoNo104Offices/Comp. RoomsF12" x 12" Floor Tile194YesNo	Room Functional Area Are	No

A Risk Assessment/Hazard Ranking of zero (0) means that the material is not Asbestos (less than or equal to one percent - not regulated). A Risk Assessment/Hazard Ranking of one (1) to seven (7) means that the Material is Asbestos.

Seattle, WA - Riverton Heights Station Post Office

Page 1 of 4

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess J Hazard Ranking	Comments
1st·	104	Offices/Comp. Rooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under 4" Brown Wall Base
1st	104	Offices/Comp. Rooms	M	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' White Fissured Celling Panel
1st	104	Offices/Comp. Rooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls
1st	105	Vaults/Acct. Papers	F	12" x 12" Floor Tile	137	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	105	Vaults/Acct. Papers	F	Mastic under Floor Tile/etc.	137	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	105	Vaults/Acct, Papers	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	106	Loading Dock/Storage	F	12" x 12" Floor Tile	385	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	106	Loading Dock/Storage	F	Mastic under Floor Tile/etc.	385	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	106	Loading Dock/Storage	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	106	Loading Dock/Storage	M	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	106	Loading Dock/Storage	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls And Ceiling
1st	107	Loading Dock/Storage	F	12" x 12" Floor Tile	228	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	107	Loading Dock/Storage	F	Mastic under Floor Tile/etc.	228	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	107	Loading Dock/Storage	М	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	107	Loading Dock/Storage	М	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	107	Loading Dock/Storage	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls And Ceiling
1st	108	Loading Dock/Storage	F	12" x 24" Floor Tile	390	Yes	No	F4.1A,B,C	1b	12" x 24" Black Floor Plank
1st	108	Loading Dock/Storage	F	Mastic under Floor Tile/etc.	390	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 24" Black Floor Plank
1st	108	Loading Dock/Storage	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	108	Loading Dock/Storage	M	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	108	Loading Dock/Storage	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls And Ceiling
1st	109	Janitor Closet	F	12" x 12" Floor Tile	104	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	109	Janitor Closet	F	Mastic under Floor Tile/etc.	104	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile

A Risk Assessment/Hazard Ranking of zero (0) means that the material is not Asbestos (less than or equal to one percent - not regulated). A Risk Assessment/Hazard Ranking of one (1) to seven (7) means that the Material is Asbestos.

Seattle, WA - Riverton Heights Station Post Office

Page 2 of 4

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QΤΥ	ACBM	Friable	Associated Bulk Sample · No	Risk Assess / Hazard Ranking	Comments
1st	109	Janitor Closet	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	109	Janitor Closet	М	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	109	Janitor Closet	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls And Ceiling
1st	110	Kitchen Area	F	12" x 12" Floor Tile	572	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	110	Kitchen Area	F	Mastic under Floor Tile/etc.	572	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	110	Kitchen Area	М	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	110	Kitchen Area	M	Undercoating-S.S.Sinks-etc.	14.6	Yes	No	M10.1A,B,C	3	Undercoating on Sink
1st	110	Kitchen Area	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls And Ceiling
1st	111	Locker Rooms	F	Mastic under Floor Tile/etc.	481	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	111	Locker Rooms	М	12" x 12" Floor Tile	481	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	111	Locker Rooms	М	Baseboard	0	No	No	M12.A,B,C	0	Mastic Under 4" Black Wall Base
1st	111	Locker Rooms	M	Plaster	0	No	No	M7.1A,B,C	0	Painted Plaster - LOG Walls
1st	111	Locker Rooms	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	112	Restrooms	F	12" x 12" Floor Tile	0	No	No	None Taken	0	12" x 12" Self-Adhesive Vinyl Tile on Wall
1st	112	Restrooms	F	Ceramic Tile - Not Suspect	0	No	No	None Taken	0	Ceramic Floor Tile - Not Suspect
1st	112	Restrooms	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	113	Locker Rooms	F	12" x 12" Floor Tile	332	Yes	No	F2.1A,B,C	1b	12" x 12" Cream Floor Tile
1st	113	Locker Rooms	F	Mastic under Floor Tile/etc.	332	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Cream Floor Tile
1st	113	Locker Rooms	М	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	113	Locker Rooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	114	Restrooms	F	Ceramic Tile -Not Suspect	0	No	No	None Taken	0	Ceramic Floor Tile - Not Suspect
1st	114	Restrooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	115	Entrances and Exit Areas	F	12" x 24" Floor Tile	139	Yes	No	F4.1A,B,C	1b	12" x 24" Black Floor Plank

A Risk Assessment/Hazard Ranking of zero (0) means that the material is not Asbestos (less than or equal to one percent - not regulated). A Risk Assessment/Hazard Ranking of one (1) to seven (7) means that the Material is Asbestos.

Seattle, WA - Riverton Heights Station Post Office

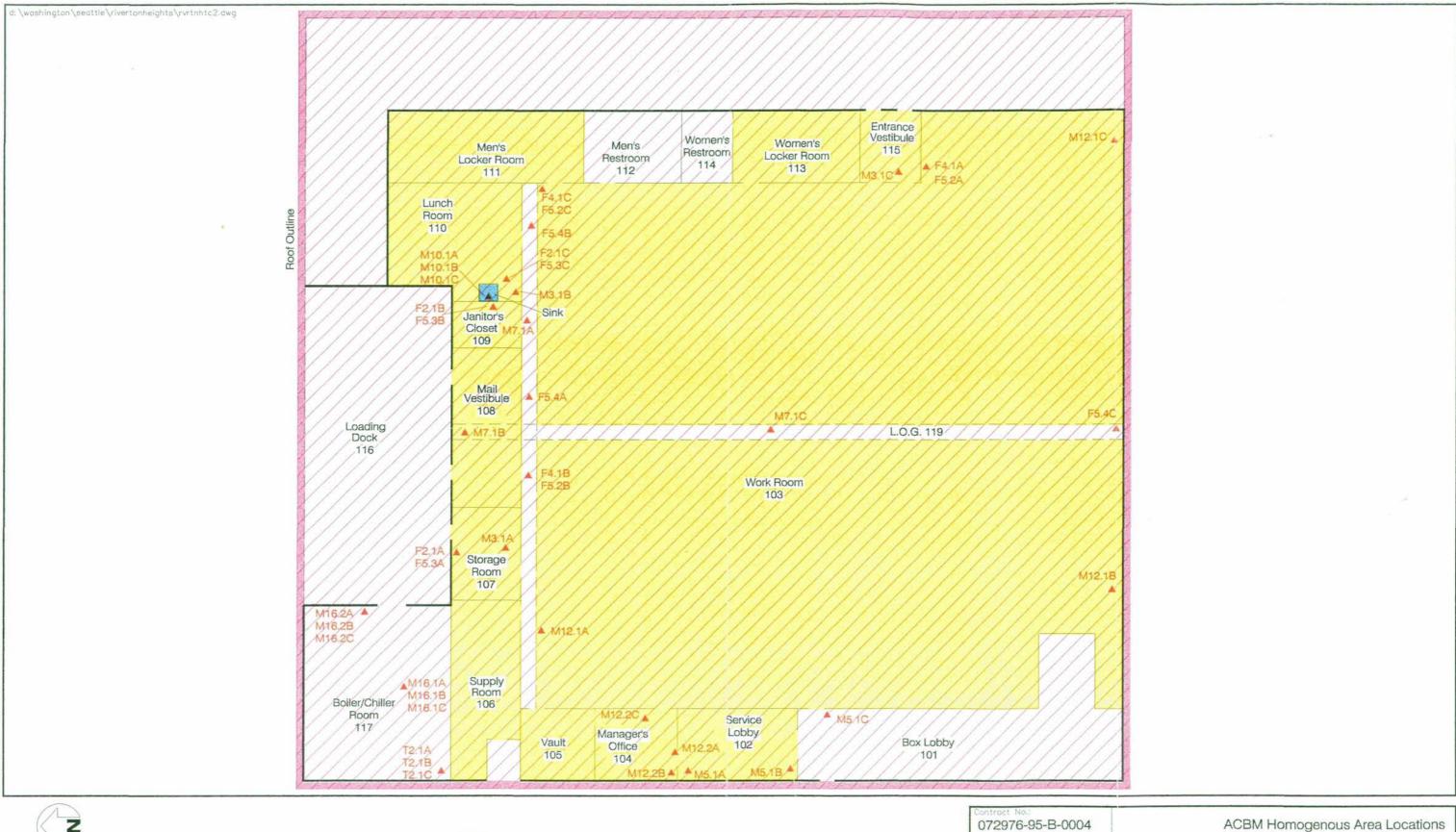
Page 3 of 4

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	115	Entrances and Exit Areas	F	Mastic under Floor Tile/etc.	139	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 24" Black Floor Plank
1st	115	Entrances and Exit Areas	М	Baseboard	. 0	No	No	M12.1A,B,C	0	Mastic Under 4" Black Wall Base
1st	115	Entrances and Exit Areas	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	116	Loading Dock/Storage	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Ceiling
1st	117	Boiler/Chiller Rooms	М	Coating Over Insulation	0	No	No	M16.2A,B,C	0	Coating Over Fiberglass Pipe Insulation
1st	117	Boiler/Chiller Rooms	М	Vibration isolator	0	No	No	M16.1A,B,C	· 0	Vibration Isolator
1st	117	Boiler/Chiller Rooms	М	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Walls and Ceiling
1st	117	Boiler/Chiller Rooms	T	Pipe Joint Insulation	0	No	No	T2.1A,B,C	0	Cold Water Pipe Joint Insulation
1st	118	L.O.G.	F	Mastic under Floor Tile/etc.	0	No	No	F5.4A,B,C	0	Mastic Under Brown Carpet
1st	118	LO.G.	М	Plaster	0	No	No	M7.1A,B,C	0	Walls and Ceiling
1st	119	Roofs, Siding and Paneling	M	Stucco	2432	Yes	No	None Taken	1b	Stucco Facia at Top of Wall - Assumed Positive
2nd	200	Roofs, Siding and Paneling	M	Roofing Materials	24000	Yes	No	None Taken	1b	Roofing Membrane System - Asphaltic Material Under Membrane Assumed Posit

A Risk Assessment/Hazard Ranking of zero (0) means that the material is not Asbestos (less than or equal to one percent - not regulated). A Risk Assessment/Hazard Ranking of one (1) to seven (7) means that the Material is Asbestos.

Seattle, WA - Riverton Heights Station Post Office

Page 4 of 4





Functional Area 200 is the Roof

ACBM (floor tile and mastic)

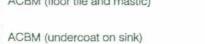
▲ Suspect ACBM Sample Location

ACBM (roof - assumed positive)



072976-95-B-0004	ACBM Homogenous Area Locations
Work Order No.: 742.00	U.S. Postal Service - Asbestos Survey
547616/615	Riverton Heights Branch, SeaTac, Washington
June 1997	FIGURE C.2

Functional Area 118 is the Exterior



ACBM (stucco - assumed positive)

BULK SAMPLING

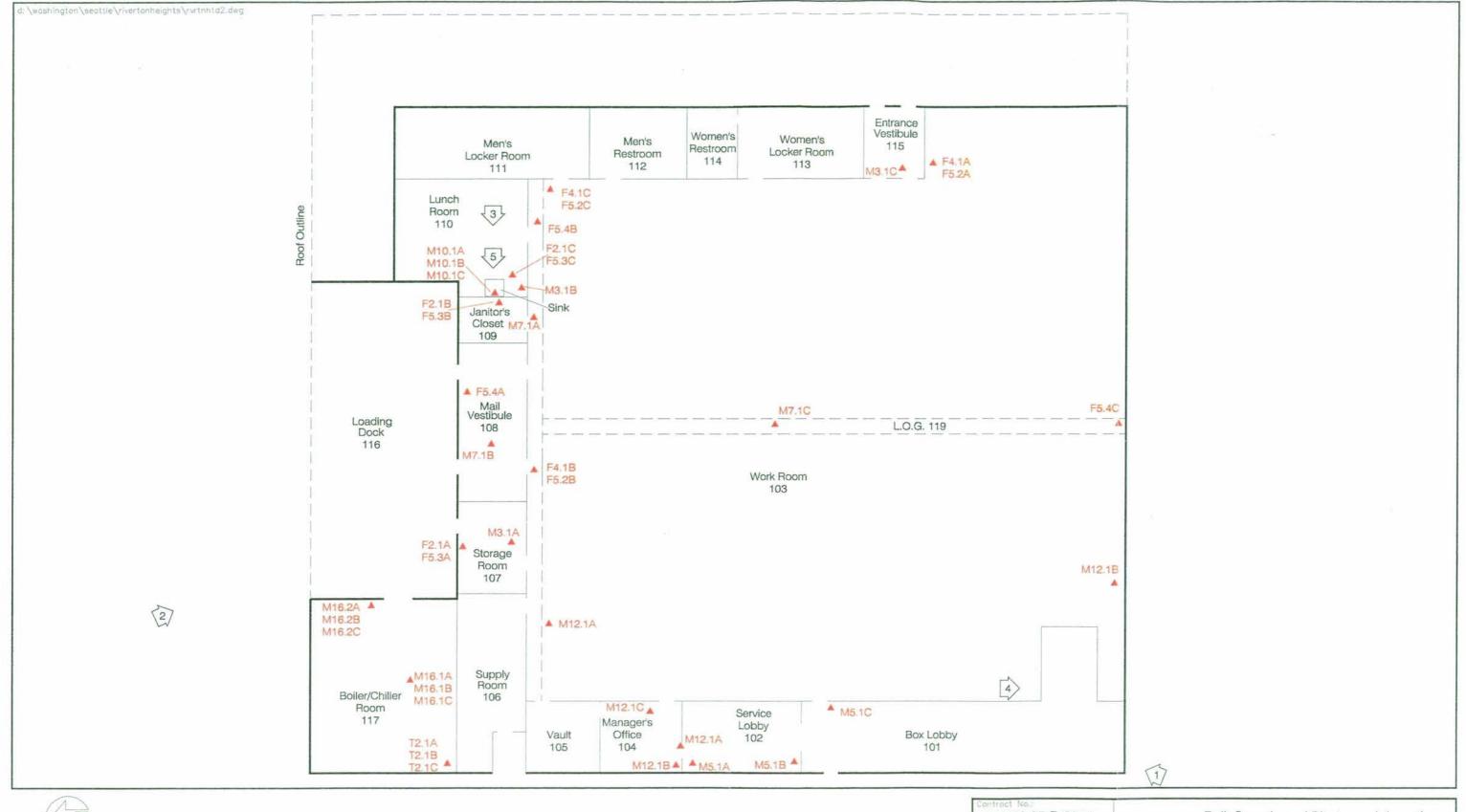
- D.1. Section Summary
- D.2. Bulk Sample and Photograph Locations
- D.3. Bulk Sample Analysis Results
- D.4. Bulk Sample Chain of Custody

D.1. SECTION SUMMARY

This section documents the proper handling of collected bulk samples (D4.) and provides associated analytical results (D3.).

Section D.2. provides a facility floor plan where all bulk sample collections and photographs are identified by photograph and sample numbers. Sampling followed AHERA protocols. The method of analysis is contained within the laboratory's report.

D.2. BULK SAMPLE AND PHOTOGRAPH LOCATIONS





Note Functional Area 118 is the Exterior Functional Area 200 is the Roof



072976-95-B-0004	Bulk Sample and Photograph Locations
Work Order No.: 742.00	U.S. Postal Service - Asbestos Survey
Finance No.: 547616/615	Riverton Heights Branch, SeaTac, Washington
June 1997	FIGURE D.2



D.3. BULK SAMPLE ANALYSIS RESULTS

Maxim

600 South 25th Street P O Box 30615 Billings, MT 59107 (406) 248-9161 FAX (406) 248-9282

TECHNICAL REPORT

REPORT TO: UNITED STATES POSTAL SERVICE

SEATTLE DISTRICT 415 1ST AVENUE NORTH SEATTLE WA 98109-9991 DATE: June 5, 1997
JOB NUMBER: 94-943
SHEET: 1 of 6
INVOICE NO.: G4018

REPORT OF: Building Material Analysis - USPS - Riverton Heights Station - Platinum #5609702640.A1

SAMPLE IDENTIFICATION:

On May 21, 1997, our laboratory received 42 building material samples from Tom Weaver. A completed chain of custody record was received which identified the above referenced project as the source of the samples. Our laboratory assigned laboratory numbers 114653 through 114694 to the samples. This analysis was performed using an Olympus BH-2 polarizing microscope at magnifications of 40X to 400X in general accordance with EPA Method 600/R4-93-116, July 1993, which employs polarized light microscopic techniques with dispersion staining for identification of mineral forms of asbestos.

There are currently six types of mineral fiber that are regulated as asbestos minerals. These are divided into two categories: serpentine asbestos and amphibole asbestos. Serpentine asbestos is called chrysotile, which is the most commonly encountered type of asbestos in the United States. Five of the asbestos minerals are amphiboles. Included in this group are fibrous grunerite (amosite), fibrous riebeckite (crocidolite), fibrous anthophyllite, fibrous tremolite and fibrous actinolite. All reported percentages are by volume estimates.

The EPA test method for bulk analysis (EPA/600/R-93/116) states in paragraph 2.2.2. that "the detection limit for visual estimation is a function of the quantity of sample analyzed, the nature of matrix interference, sample preparation, and fiber size and distribution. Asbestos may be detected in concentrations of less than one percent by area if sufficient material is analyzed. Samples may contain fibers too small to be resolved by PLM (<0.25 micrometers in diameter) so detection of those fibers by this method may not be possible".

In the case of nonhomogeneous samples (samples which contain more than one visually distinct material which is not mixed), concentrations of materials are given for each layer and composite values are given for the entire sample. The quantification of asbestos in the sample is intended to be a volume estimate only. The concentrations of various components reported for these samples are intended to represent the materials received at our laboratory for testing only. Variations in the concentrations due to the limitations of the visual test method, equipment, and operator are given below. For the range:

- 1 10%, true concentrations may vary ±5% from the reported value
- 10 50%, true concentrations may vary ±10% from the reported value
- 50 100%, true concentrations may vary ±10% from the reported value

According to the National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision Final Rule in the Federal Register, Volume 55, Number 224 dated November 20, 1990, any friable material containing less than 10 percent asbestos by the Polarized Light Microscopy (PLM) Method is recommended to be verified by the Point Count Method using PLM. Friable asbestos material means any material containing more than one percent asbestos as determined by the visual PLM method, that when dry can be crumbled, pulverized or reduced to powder with hand pressure. This rule applies to building renovations and demolitions.

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of our clients and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval. Test results apply specifically to the samples tested only. The entire report shall not be reproduced, except in full, without the written approval of the laboratory. Samples will be disposed of after testing is completed unless other arrangements are agreed to in writing.

The U.S. EPA Clarification of the Asbestos NESHAP Requirement to perform Point Counting dated May 8, 1991 states:

- First, that a sample which contains no asbestos by visual PLM does not have to be point counted.
- Second, the owner or operator of the building may choose to assume the asbestos amount to be greater than one percent and treat the material as asbestos containing material (ACM) or require point counting for verification.
- Third, if a result obtained by point counting is different from a result obtained by visual estimation, the point count result will be used.

We will hold the samples for sixty (60) days in the event you choose to have future analysis performed on any sample containing less than 10 percent asbestos.

The results are shown on the following pages. A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable.

On April 1, 1989, our laboratory was assigned "accredited" status by the National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program, (NVLAP).

Analyzed by:

Mike (Huss

Reviewed by:

rmr

BUILDING MATERIAL ANALYSIS ASBESTOS CONTENT

USPS - RIVERTON HEIGHTS STATION 5609702640.A1

June 5, 1997 Job No. 94-943 Sheet 3 of 6

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
114653	M3.1A; sheetrock and	Two layers:	Nama Data ata d	20/ Fibrary Class
	joint compound, Room 107	 White crystalline solid w/woven layer (90%) 	None Detected	2% Fibrous Glass 98% Nonfibrous Binder
		2) White fibrous layer (10%)	None Detected	90% Cellulose 10% Nonfibrous Binder
114654	M3.1B; sheetrock and	Three layers:		
	joint compound, Room 103	White crystalline solid w/paint (20%)	None Detected	<1% Fibrous Glass 99% Nonfibrous Binder
		2) White/tan fibrous layer (50%)	None Detected	90% Cellulose 10% Nonfibrous Binder
		3) White chalky solid (30%)	None Detected	1% Fibrous Glass 99% Nonfibrous Binder
114655	M3.1C; sheetrock and	Three layers:		
	joint compound, Room 110	White crystalline solid (5%)	None Detected	100% Nonfibrous Binder
	110	2) White/tan fibrous layer	None Detected	90% Cellulose 10% Nonfibrous Binder
		(60%) 3) White chalky solid (35%)	None Detected	1% Fibrous Glass 99% Nonfibrous Binder
114656	M5.1A; 2'x4' white fissure ceiling panel, Room 102	One layer: 1) Beige fibrous solid (100%)	None Detected	30% Celluiose 40% Mineral Wool 30% Nonfibrous Binder and Perlite
114657	M5.1B; 2'x4' white fissure	One layer:		
	ceiling panel, Room 102	1) Beige fibrous solid (100%)	None Detected	30% Cellulose 40% Mineral Wool 30% Nonfibrous Binder and Perlite
114658	M5.1C; 2'x4' white fissure	One layer:	Nama Baka kad	8884 8 11 1
	ceiling panel, Room 101	1) Beige fibrous solid (100%)	None Detected	30% Cellulose 40% Mineral Wool 30% Nonfibrous Binder and Perlite
114659	M12.1A; mastic under	One layer:		
	black baseboard, Room 104	1) Brown resinous solid (100%)	None Detected	<1% Talc 99% Nonfibrous Binder

BUILDING MATERIAL ANALYSIS ASBESTOS CONTENT

USPS - RIVERTON HEIGHTS STATION - 5609702640.A1

June 5, 1997 Job No. 94-943 Sheet 4 of 6

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
114660	M12.1B; mastic under black baseboard, Room 104	One layer: 1) Brown resinous solid (100%)	None Detected	100% Nonfibrous Binder
114661	M12.1C; mastic under black baseboard, Room 104	One layer: 1) Brown resinous solid (100%)	None Detected	100% Nonfibrous Binder
114662	F4.1A; 1'x2' floor plank, Room 103	One layer: 1) Black solid (100%)	35% Chrysotile	65% Nonfibrous Binder
114663	F4.1B; 1'x2' floor plank, Room 103		HOLD - Not Analy	z e d
114664	F4.1C; 1'x2' floor plank, Room 103		HOLD - Not Analy	z e d
114665	F5.2A; mastic under F4.1, Room 103	One layer: 1) Black resin (100%)	4% Chrysotile	96% Nonfibrous Binder
114666	F5.2B; mastic under F4.1, Room 103		HOLD - Not Analy	z e d
114667	F5.2C; mastic under F4.1, Room 103		HOLD - Not Analy	z e d
114668	M7.1A; painted plaster, Room 119	One layer: 1) Off-white solid (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder and Mica
114669	M7.1B; painted plaster, Room 119	One layer: 1) Off-white solid (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder and Mica
114670	M7.1C; painted plaster, Room 119	One layer: 1) Off-white solid (100%)	None Detected	100% Nonfibrous Binder and Mica
114671	M12.2A; mastic under brown baseboard, Room 103	Two layers: 1) Brown resinous solid (3%)	None Detected	100% Nonfibrous Binder
	Voolii 103	2) White resin (97%)	None Detected	100% Nonfibrous Binder

BUILDING MATERIAL ANALYSIS ASBESTOS CONTENT

USPS - RIVERTON HEIGHTS STATION 5609702640.A1

June 5, 1997 Job No. 94-943 Sheet 5 of 6

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
114672	M12.2B; mastic under brown baseboard, Room 103	One layer: 1) White resin (100%)	None Detected	100% Nonfibrous Binder
114673	M12.2C; mastic under brown baseboard, Room 104	One layer: 1) White resin (100%)	None Detected	100% Nonfibrous Binder
114674	F2.1A; 12*x12" cream floor tile, Room 107	One layer: 1) Cream solid (100%)	6% Chrysotile	94% Nonfibrous Binder
114675	F2.1B; 12"x12" cream floor tile, Room 109		HOLD - Not Analy	z e d
114676	F2.1C; 12"x12" cream floor tile, Room 110		HOLD - Not Analy	zed
114677	F5.3A; mastic under F2.1, Room 107	One layer: 1) Black resin (100%)	15% Chrysotile	85% Nonfibrous Binder
114678	F5.3B; mastic under F2.1, Room 109		HOLD - Not Analy	z e d
114679	F5.3C; mastic under F2.1, Room 110		HOLD - Not Analy	z e d
114680	M10.1A; coating on bottom of sink, Room 110	One layer: 1) Pink solid (100%)	10% Chrysotile	90% Nonfibrous Binder
114681	M10.1B; coating on bottom of sink, Room 110		HOLD - Not Analy	z e d
114682	M10.1C; coating on bottom of sink, Room 110		HOLD - Not Analy	z e d
114683	T2.1A; cold water pipe joint insulation, Room 117	One layer: 1) Beige fibrous mass w/woven mat (100%)	None Detected	3% Cellulose 20% Mineral Wool 77% Nonfibrous Binder
114684	T2.1B; cold water pipe joint insulation, Room 117	One layer: 1) Beige fibrous mass (100%)	None Detected	2% Cellulose 20% Mineral Wool 78% Nonfibrous Binder

BUILDING MATERIAL ANALYSIS ASBESTOS CONTENT

USPS - RIVERTON HEIGHTS STATION 5609702640.A1

June 5, 1997 Job No. 94-943 Sheet 6 of 6

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
114685	T2.1C; cold water pipe joint insulation, Room 117	One layer: 1) Beige fibrous mass (100%)	None Detected	1% Cellulose 20% Mineral Wool 79% Nonfibrous Binder
114686	M16.1A; vibration isolator, Room 117	One layer: 1) Woven mat w/black flexible coating (100%)	None Detected	20% Fibrous Glass 80% Nonfibrous Binder
114687	M16.1B; vibration isolator, Room 117	One layer: 1) Woven mat w/black flexible coating (100%)	None Detected	20% Fibrous Glass 80% Nonfibrous Binder
114688	M16.1C; vibration isolator, Room 117	One layer: 1) Woven mat w/black flexible coating (100%)	None Detected	20% Fibrous Glass 80% Nonfibrous Binder
114689	F5.4A; mastic under brown carpet, Room 119	One layer: 1) Brown resinous powder (100%)	None Detected	2% Cellulose 98% Nonfibrous Binder
114690	F5.4B; mastic under brown carpet, Room 119	One layer: 1) Brown resinous powder (100%)	None Detected	2% Cellulose 98% Nonfibrous Binder
114691	F5.4C; mastic under brown carpet, Room 119	One layer: 1) Brown resinous powder (100%)	None Detected	2% Cellulose 98% Nonfibrous Binder
114692	M16.2A; coating of pipe wrapped insulation Room 117	One layer: 1) Tan coating w/fibrous mass & brown resin (100%)	None Detected	10% Cellulose 15% Mineral Wool 75% Nonfibrous Binder
114693	M16.2B; coating of pipe wrapped insulation Room 117	One layer: 1) Two woven mats w/silver foil (100%)	None Detected	10% Cellulose 10% Fibrous Glass 5% Mineral Wool 75% Nonfibrous Binder
114694	M16.2C; coating of pipe wrapped insulation Room 117	One layer: 1) White fibrous mass w/silver foil (100%)	None Detected	10% Cellulose 10% Fibrous Glass 10% Mineral Wool 70% Nonfibrous Binder

D.4. BULK SAMPLE CHAIN OF CUSTODY

CHAIN OF CUSTOR RECORD

BULK ASBESTOS AND LEAD SAMPLES

Riverton Building Name

U.S.P.S. SEATTLE DISTRICT Client Name

5609702640.Al Job Number

415 1ST AVE NORTH

15250 32 PAVE. SO. Bullding Location/Address

Client Address

Date

TOM WEAVER MAXIM-MISSOULA Collected By/Send Report To

SEATTLE, WA 98109-9991

10 DAY

Turn Around Time

					Analysis Required	2 4
Laboratory Number	Sample Number	Sample Description and Location	Moc	Date Collected		Results
114653	M3.1 A		07	5/13/97	PLM-Asbesto	
54	M3.1 B	La La	93	, ,		
55	M3.1 C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	115			
56		2'x4 white fissure Ceiling Panel 1	02			
57	M5.1 B		02			
58	M5-1 C		01			·
59	MIZ.I A	Marticunder BLACK basebourd is	03			
40	M12.1 B	, () () () () () () () () () (103		·	
61	M12.1 C	>	103			
62	F4.1 A		103			
63	F4-1 B	1	03			
64	F4-1C	, (1	03	6	<u> </u>	
Date		Relinguished By:		Received By	lo	Total Samples Received
5/19/97	(42)	Tombeaver		MI	yno w	
5/19/97 5/4/97 08/90		Relinquished De-	ł	Received By	Ω	Total Samples Received
15/H147 0°		US KS		N. Od.	enelan	42

OF



CHAIN OF CUSTODY RECORD

BULK ASBESTOS AND LEAD SAMPLES

Riverton	Heights	Station
Building Name	9	

U.S.P.S. SEATTLE DISTRICT Client Name

5609702640.Al Job Number

415 1ST AVE NORTH

Bullding Location/Address

Client Address

TOM WEAVER MAXIM-MISSOULA Collected By/Send Report To

SEATTLE, WA 98109-9991

YAG OL

Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Room	Date Collected	: Analysis Required	Results
11466465	F5.2 A	Mastic under F4-1	103	5/13/17	PLM.Asbesta	
6866	F5.2 B		103			
Lato 67	PS:20	b .	103			
6768	M7.1 A	Painted plaster	119			
6869	M7-1 B		119			
16970	M7-1c	. 7	119			
7071	MIZIZ A	Marticunder BROWN baseboard	104			
Z+ 72	MIZZ B		103			
7273	M12.2C	-	104			
7374	F2.1.A	12×12 cream floor tile	107			
7475	F2.18		109			
7576	F2.1c		110	6	Ġ.	
Date	Total Samples Shipped	Relinquished By:		Received By	1	Total Samples Received
5/19/97	42	TomWeaver		M	ubuo	ww
0820 513197		Relinquished Pot. Dy US PS		Received By	Penelano	Total Samples Received

Page 2 OF 4

CHAIN OF CUSTODY RECORD

BULK ASBESTOS AND LEAD SAMPLES

R. verton	Hein	ركما	Station
Building Name	J		

U.S.P.S. SEATTLE DISTRICT

5609702640.Al

Client Namo

415 1ST AVE NORTH

Bullding Location/Address

Client Address

Date

TOM WEAVER MAXIM-MISSOULA Collected By/Send Report To

SEATTLE, WA 98109-9991

10 DAY

Turn Around Time

					Analysis Required	
Laboratory Number	Sample Number	Sample Description and Location	Room	Date Collected		Results
11463677	F5.3A	Mastic under F2.1	107	5/13/97	PLM.Asbesto	
7778	F5.3 B		109			_
7879		>	110			
7980		coating on bottom of sink	110			
8081	M10.1B	7	110			
8+82	M10-1 C	. 6	110			
8283	T2.1 A	Coldwater pipe joint insulation	117			
-8384	T2.1 B	1/ 5	117			
8485	T2.1c.	7	117			
8886	M16.1 A	Vibration Isolator.	117			
8687	M16-1 B	·	117			
8788	1 · · · · · · · · · · · · · ·	7	117	6	L .	
Date	Total Samples Shipped	Relinquished By:		Received By	0.	Total Samples Received
5/19/97	(42)	Tomblewer		M	chnoc	
0820		Relinquished To: by		Received By	$\Omega = \Omega$	Total-Samples Received
5/4197		USB		X6	Venelan	42

Page 3 OF 4

CHAIN OF CUSTODY RECORD

BULK ASBESTOS AND LEAD SAMPLES

Riverton	teight	s Station
D-11-P M		

U.S.P.S. SEATTLE DISTRICT

5609702640.AI

Building Name

Job Number

Bullding Location/Address

415 1ST AVE NORTH

TOM WEAVER MAXIM-MISSOULA Collected By/Send Report To

SEATTLE, WA 98109-9991

10 DAY

Turn Around Time

. Laboratory Number	Sample Number	Sample Description and Location	Room	Date Collected	Analysis Required	Results
11468888	F5.4A	Marticonder Brown carpet	119	5/13/97	PLM. Asbesto	
89 90	F5.4 B		119		\\	
9091	FS.4 C		119			
9+92	M16.2A	Coating of pipewrapped Insul,	117			
9293	M16.2 B	<u> </u>	117			
9394			117	6	6	
	•	-LAST-				
				·		
				(
	Total Samples Shipped	Relinquished By:		Received By		Total Samples Received
5/19/97	(42) =	Tombeaun		lul	surge	ou_
0830 5/H/97		Relinguished 14 USAS		Received By	Peneles S	Total Samples Received

Page ______4_OF _____

Laboratory Address: Maxim Technologies, Inc. 600 South 25th Street, Billings, MT 59101 (406) 248-9169



PHOTOGRAPHS

- E.1. Section SummaryE.2. Photo graphs of Homogeneous ACBM Areas

E.1. SECTION SUMMARY

Photographs of Homogeneous ACBM areas identified in the floor plans in Sections C.2 and D.2.

E.2. PHOTOGRAPHS OF HOMOGENEOUS ACBM AREA



PHOTO #1 - FRONT OF FACILITY

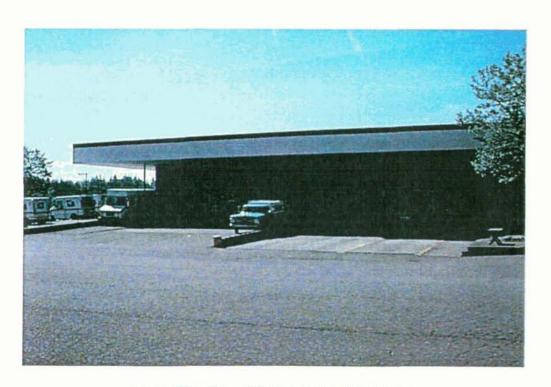


PHOTO #2 - REAR OF FACILITY



PHOTO #3 - 12"x12" CREAM FLOOR TILE (F2.1) AND MASTIC (F5.3)



PHOTO #4 - 12"x24" BLACK FLOOR PLANK (F4.1) AND MASTIC (F5.2)



PHOTO #5 - UNDERCOATING ON SINK (M10.1)

REMOVAL COST ESTIMATE

F.1. Section Summary

F.2. Removal Cost Estimate

SECTION F.1. SECTION SUMMARY

Section F.1, the reader will find the removal data organized by cost, category and quantity. Other abatement options are to be considered within the O & M Plan. Section F.2. is to guide the decision between removal or O & M Plan implementation.

UNIT

This identifies how the removal action will be charged.

ea: each
day: day
est: per estimate
sf: square foot
lf: linear foot
/w: per week

/w: per week
/d: per day
/m: per month

cu: cubic yard

QUANTITY

This describes the amount of material to be removed.

TOTAL

Identifies the individual cost for each removal action.

LIMITATIONS: All costs are estimates only and should be confirmed by a certified asbestos abatement contractor. The costs do not include any costs for reinstallation of any surfacing, insulation, or miscellaneous materials. Project design, project management, and construction inspection fees are included in the estimate. The budgetary estimate presented assumes there will be no relocation costs.

The cost estimate fees for consulting include predesign, design, construction/abatement and air monitoring services. The estimates identified are based on the assumption that the interior ACBM will be removed concurrently, as one project.

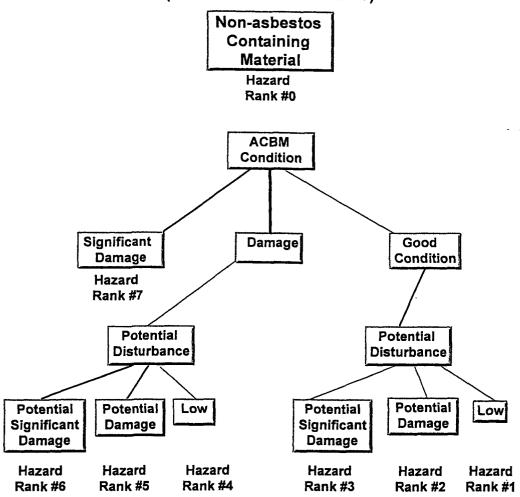
F.2. REMOVAL COST ESTIMATE

Room:	Description:	Unit:	Quantity:	Total Cost:
102	12" x 12" Floor Tile	Square Feet	426	\$1,065.00
102	Mastic under Floor Tile/etc.	Square Feet	426	\$1,065.00
103	12" x 24" Floor Tile	Square Feet	10700	\$26,750.00
103	Mastic under Floor Tile/etc.	Square Feet	10700	\$26,750.00
104	12" x 12" Floor Tile	Square Feet	194	\$485.00
104	Mastic under Floor Tile/etc.	Square Feet	194	\$485.00
105	12" x 12" Floor Tile	Square Feet	137	\$343.00
105	Mastic under Floor Tile/etc.	Square Feet	137	\$342.00
106	12" x 12" Floor Tile	Square Feet	385	\$963.00
106	Mastic under Floor Tile/etc.	Square Feet	385	\$962.00
107	12" x 12" Floor Tile	Square Feet	228	\$570.00
107	Mastic under Floor Tile/etc.	Square Feet	228	\$570.00
108	12" x 24" Floor Tile	Square Feet	390	\$975.00
108	Mastic under Floor Tile/etc.	Square Feet	390	\$975.00
109	12" x 12" Floor Tile	. Square Feet	104	\$260.00
109	Mastic under Floor Tile/etc.	Square Feet	104	\$260.00
110	12" x 12" Floor Tile	Square Feet	572	\$1,430.00
110	Mastic under Floor Tile/etc.	Square Feet	572	\$1,430.00
110	Undercoating-S.S.Sinks-etc.	Square Feet	14.6	\$102.00
111	12" x 12" Floor Tile	Square Feet	481	\$1,203.00
111	Mastic under Floor Tile/etc.	Square Feet	481	\$1,202.00
113	12" x 12" Floor Tile	Square Feet	332	\$830.00
113	Mastic under Floor Tile/etc.	Square Feet	332	\$830.00
115	12" x 24" Floor Tile	Square Feet	139	\$348.00
115	Mastic under Floor Tile/etc.	Square Feet	139	\$347.00
119	Stucco	Square Feet	2432	\$9,728.00
200	Roofing Materials	Square Feet	24000	\$72,000.00
COST	Consultant's Cost			\$15,300.00

Grand Total:

\$167,570.00

CLASSIFICATION FOR HAZARD POTENTIAL (DECISION TREE DISPLAY)



Note: A Hazard Ranking of Zero (0) within this Survey Report means the associated material is not asbestos (i.e. less than or equal to one percent - not regulated asbestos).

CLASSIFICATIONS FOR HAZARD POTENTIAL (TABULAR DISPLAY)

Hazard Rank	ACBM Condition ACBM Disturbance Poter	
7	Significantly damaged	Any
6	Damaged with potential for significant damage	Potential for Significant Damage
5	Damaged with potential for damage	Potential for Damage
4	Damaged	Low
3	Good condition with potential for damage	Potential for Significant Damage
2	Good condition with potential for damage	Potential for Damage
1a	Good condition	Low
. 1b	Non-friable asbestos	Low
1c	Non-regulated Asbestos Containing	Low .
0	Non-asbestos Containing Material	

Note: A Hazard Ranking of Zero (0) within this Survey Report means the associated material is not asbestos (i.e. less than or equal to one percent - not regulated asbestos).

RESPONSE ACTIONS BASED ON HAZARD RANKING

Hazard Rank	Removal Priority	AHERA Categories	Response Actions Required by AHERA
7	1	Significantly Damaged	Evacuate or isolate the area if needed. Remove the ACBM (or enclose or encapsulate if sufficient to contain fibers.) Repair of thermal system insulation is allowed if feasible and safe, O&M required for all friable ACBM.
6	2	Damaged + Potential for Significant Damage	Evacuate or isolate the area if needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M required for all friable ACBM.*
5	3	Damaged+ Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all friable ACBM and TSI.*
4	4	Damaged	Same as hazard rank 5.
3	5	Potential for Significant Damage	Evacuate or isolate the area if needed. Take steps to reduce potential for disturbance. O&M required for all friable ACBM and TSI.
2	6	Potential for	O&M required for all friable ACBM and TSI.
1	7	Damage All Remaining ACBM	O&M required for all friable ACBM, but measures need not be as extensive as above.

^{*} Note: AHERA does not account for combinations of current and potential damage (i.e., hazard ranks #5 & 6). The response actions shown are combinations of those required for each condition.

Note: A Hazard Ranking of Zero (0) within this Survey Report means the associated material is not asbestos (i.e. less than or equal to one percent - not regulated asbestos).

SUSPECTED MATERIALS LIST

TSI

T1 Gasket Materials

T2 Pipe Joint Insulation

T3 Straight Pipe Insulation

T4 HVAC Connector Material (adjoining air ducts)

T5 Tank Insulation

T6 Boiler Insulation

T7 Boiler Breaching / Ductwork / Firebrick

T8 Duct Insulation

T9 Patching Material

Surfacing Materials (Spray-On)

S1 Surface-Sprayed, Applied or Troweled-on Materials, Ceilings and Beams

S2 Spray-on Fireproofing

Miscellaneous Materials

M1 Roofing Materials (only sample without damage to the roofing material)

M2 Exterior Siding Material

M3 Wallboard / Taping Material

M4 Transite (cooling tower on roof, soffits, pipes, etc.)

Miscellaneous Materials

M5 Ceiling Panels (Special attention to dock areas)

M6 Ceiling Tiles

M7 Plaster

M8 Caulking

M9 Fire Door Insulation (assumed to be ACM if fire doors are present)

M10 Undercoating / Stainless Steel Sinks / etc.

M11 Electrical Insulation

M12 Baseboard

M13Tile Debris

M14 Metalbestos Chimney

M15 Stucco

M16 Other

Floor Covering

F1 Linoleum (seamless floor covering)

F2 12" x 12" Floor Tile

F3 9" x 9" Floor Tile

F4 12" x 24" Floor Plank

F5 Mastic under Floor Tile / Seamless / Ceiling Tiles / Carpet / Plank-Tile

GENERAL CATEGORIES OF FUNCTIONAL AREAS

1. MECHANICAL AREAS

- A1 Basement / Sublevel Service Areas
- A2 Boiler / Chiller Rooms
- A3 Generator Rooms
- A4 Elevator Equipment Room / Hoistways
- A5 Telephone / Electrical Rooms
- A6 Mechanical Rooms
- A7 Fan Rooms
- A8 Janitor Closets
- A9 Furnace Rooms
- A10 Tunnels and Crawl-Spaces
- A11 Mechanical Floors including Penthouses
- A12 Attics
- A13 Air Duct Shafts
- A14 Pipe Chases
- A15 Air Plenums

2. COMMON AREAS

- **B1** Entrances and Exit Areas
- **B2** Lobbies
- **B3 Hallways**
- **B4 Stairwells**
- B5 Meeting Rooms (e.g. auditoriums, conference rooms)
- **B6 Garages / Parking Areas**
- **B7** Restrooms
- **B8 Locker Rooms**
- B9 Kitchen Area

3. WORKING AREAS

- C1 Work-Room / Mail Processing Floors
- C2 Loading Dock / Storage Areas
- C3 Offices / Computer Rooms

4. SPECIAL USE ROOMS/AREAS

- D1 Vaults / Accountable Papers
- D2 Inspector Galleries (L.O.G.)

5. EXTERIOR MATERIALS

- E1 Roofs, Siding and Paneling
- E2 Metalbestos Sheeting

GLOSSARY

ASBESTOS

A generic name given to a number of naturally occurring silicates that poses a unique crystalline structure. Incombustible in air, and separable into fibers. Asbestos includes the asbestiform varieties of chrysotile, crocidolite, amosite, anthophyllite, actinolite and tremolite.

ACBM

Asbestos Containing Building Material. A term that encompasses surfacing, thermal system, and miscellaneous asbestos-containing material in or on interior/exterior parts of a building. This definition also includes exterior hallways, connecting buildings, porticos, and mechanical system insulation.

ACM

Asbestos-Containing Material. Any material with more than one percent (1%) asbestos content.

BULK SAMPLE

A piece of suspected asbestos-containing building material.

FIBER RELEASE

Process by which dust is given off from asbestos materials and becomes airborne.

FRIABLE

Material which can be crumbled, pulverized, or reduced to powder when dry, by moderate hand pressure.

FUNCTIONAL SPACE/AREA

Specially distinct units within a building such as a room, a group of rooms, or a homogeneous area - this includes crawl spaces and areas above a drop ceiling.

HVAC

Heating, Ventilating, and Air Conditioning Systems. The system of pipes, ducts, and equipment (air conditioners, chillers, heaters, boilers, pumps, fans) used to heat, cool, move, and filter air in a building.

HOMOGENEOUS AREA

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

INACCESSIBLE AREA

Inaccessible areas are those which cannot be inspected due to physical barriers. Buildings may contain areas that are intrinsically inaccessible. These include gaps and spaces in walls, areas above fixed ceilings and below floors, enclosed boiler breechings, and ducts. Some buildings contain other inaccessible areas, such as very small pipe tunnels, sealed crawlspaces, unsafe attics, encased boilers, etc.

NON-FRIABLE

Material which cannot be crumbled or pulverized by hand pressure.

PACBM

Presumed Asbestos Containing Building Material

PIPE JOINT

The elbow, valve, connector, reduction or pipe hanger.

PLENUM

A space designed to transport air in a building. Commonly found below ground level and in the space between a dropped ceiling and the floor above it.

PLM

Polarized Light Microscopy. An accepted method for analyzing bulk ACBM samples.

SACBM

Suspected Asbestos-Containing Building Materials (SACBM) are materials identified for sampling which may or may not be regulated ACBM.

USEPA

United States Environmental Protection Agency. The Federal agency governing general population and environmental problems. In the case of ACM in buildings, the USEPA deals with regulations and their quidelines for application, renovation, removal and disposal of ACBM in building structures.

REFERENCES

Hazard Potential Classification Decision Tree Classifications for Hazard Potential Response Actions Based on Hazard Ranking Suspected Materials List General Categories of Functional Areas Glossary