INSPECTION REPORT
ASBESTOS
OLYMPIA, WA
LACEY BRANCH POST OFFICE
5815 LACEY BLVD.
LACEY, WA 98503-9998

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:	**Olympia, WA - Lacey Branch Post Office**
FINANCE/SUB #:	**546146-004**
FACILITY ADDRESS:	**5815 Lacey Blvd.**
	Lacey, WA 98503-9998
FACILITY TELEPHONE #:	**(360) 459-2371**
USPS SITE CONTACT:	**Ms. Becky Shupp**
DATE OF SURVEY:	**07/15/1997**
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:	**5609702685.A1**
WORK ORDER NUMBER:	**767.00**
LABORATORY ADDRESS:	**Maxim Technologies, Inc.** **600 South 25th Street** **Billings, MT 59101-4549**
LABORATORY PHONE #:	**(406)248-9161**

The following Asbestos Survey Report was compiled and written by:

Inspector's Signature: Daphne Digrindakis

Daphne Digrindakis

EPA Accredited Building Inspector

State Accreditation No.: **Montana 1219;Expiration 10/97**

This Asbestos Survey was reviewed by:

Certified Industrial Hygienist Signature: Jeremiah B. Bowser for

Daniel J. Westrum

Certified Industrial Hygienist

ABIH Cert. #: **5083**

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INTRODUCTION

An inspection of the Olympia, WA - Lacey Branch Post Office located at 5815 Lacey Blvd., Lacey, WA 98503-9998, 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 Olympia, WA - Lacey Branch Post Office located at 5815 Lacey Blvd., Lacey, WA 98503-9998. No previous asbestos survey is known to have been performed at this facility.

The Olympia, WA - Lacey Branch Post Office was constructed in 1983 and remodeled in 1995. The facility is a single-story, slab-on-grade, concrete masonry block and wood structure with 13,198 square feet of building space. Interior finishes observed at the facility consist of sheetrock and plaster walls, sheetrock and lay-in panel ceilings, and vinyl tile, sheet vinyl and carpeted floors with rubber wall base moldings. The facility is heated by a natural gas-fired forced air furnace located on the roof. Pipes and pipe fittings observed at the facility are not insulated. The facility has a flat roof with a built-up, asphaltic roof system and a cedar shake overhang.

Asbestos

Maxim Technologies, Inc. conducted an asbestos inspection at the Olympia, WA - Lacey Branch Post Office on 7/15/97. The following homogeneous areas of asbestos-containing 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" Floor Tile (under carpet); Beige With Brown Spots
12" x 12" Floor Tile	12" x 12" Floor Tile; Beige With Brown Spots
Linoleum	Gold Sheet Vinyl
Mastic under Floor Tile/etc.	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
Mastic under Floor Tile/etc.	Mastic Under 12" x 12" Floor Tile; Beige With Lines
Mastic under Floor Tile/etc.	Mastic Under 12" x 12" Floor Tile; Light Yellow Stripes
Mastic under Floor Tile/etc.	Mastic Under Black Floor Plank
Mastic under Floor Tile/etc.	Mastic Under Gold Sheet Vinyl

Roofing Materials	Cedar Shake Overhang - Asphalt Felt Underlayment Assumed Positive
Roofing Materials	Flat Built-up Asphaltic Roof System - Assumed Positive
Undercoating-S.S.Sinks-etc.	Sink Undercoating

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 of the facility was not sampled. It was observed to be in good condition and its integrity was not compromised by sampling. The roofing 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 Olympia, WA - Lacey Branch Post Office located at 5815 Lacey Blvd., Lacey,WA . Once ACBMs are identified, recommended response actions (based upon Hazard Rankings) are included for each Homogeneous Material in each Functional Space.

SECTION A

BUILDING CHARACTERIZATION

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.

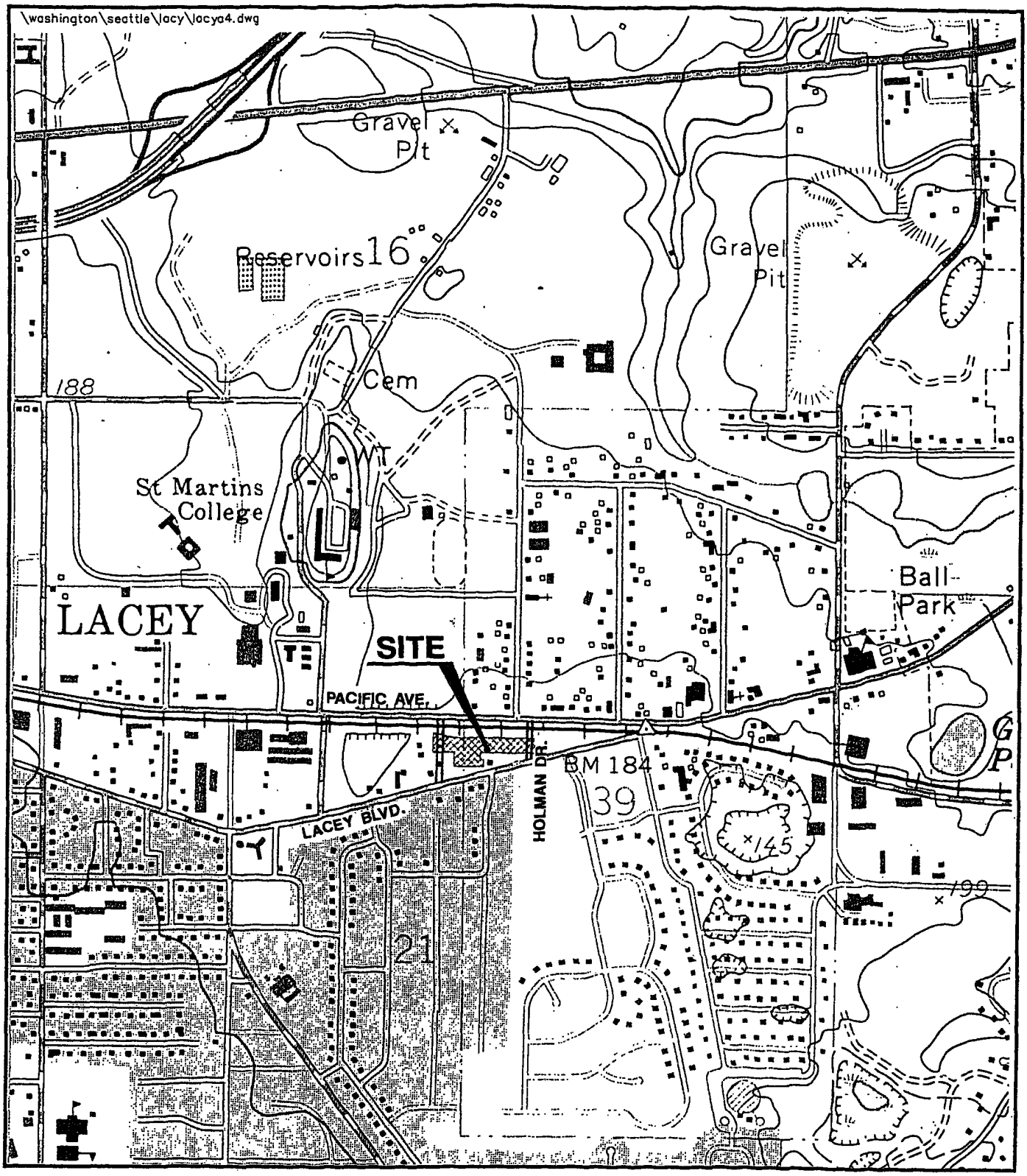
A.2. BUILDING INFORMATION

FACILITY ID:	**546146-004**
CLIENT:	**UNITED STATES POSTAL SERVICE**
USPS CONTRACT WORK:	**Maxim Technologies, Inc.,5609702685.A1**
WORK ORDER #:	**767.00**
FACILITY NAME:	**Olympia, WA - Lacey Branch Post Office**
ADDRESS:	**5815 Lacey Blvd.**
	Lacey, WA 98503-9998
TELEPHONE:	**(360) 459-2371**
CONTACT NAME:	**Ms. Becky Shupp**
DATE OF INSPECTION:	**07/15/1997**
ON-SITE INSPECTORS:	**Daphne Digrindakis**
DATE(S) OF CONSTRUCTION:	**1983; remodel in 1995**
PORTION OF BUILDING INSPECTED (PERCENTAGE):	**100%**
SQUARE FOOTAGE:	**13,198**
BUILDING CONSTRUCTION:	**Concrete Masonry Units and Wood**
HVAC SYSTEM:	**Natural Gas Forced Air**
HOURS OF OPERATION:	**8:00 am - 6:00 pm (M-F) & 9:30 am - 1:00 pm (Sat)**
FACILITY DRAWINGS AVAILABLE:	**Yes**
FMS (FVS) PRINTOUT:	**Yes**

A.3. FUNCTIONAL AREA SUMMARY

Floor:	Room:	Desc of Functional Area:	Comments:
1st	101	LOBBIES	Box Lobby
1st	102	LOBBIES	Service Lobby
1st	103	OFFICES/COMP. ROOMS	Office
1st	104	VAULTS/ACCT. PAPERS	Vault
1st	105	RESTROOMS	Women's Restroom
1st	106	RESTROOMS	Handicap Restroom
1st	107	JANITOR CLOSET	Janitor
1st	108	RESTROOMS	Men's Restroom
1st	109	L.O.G.	LOG Enty
1st	110	ENTRANCES AND EXIT AREAS	Mail Vestibule
1st	111	LOCKER ROOMS	Men's Locker Room
1st	112	RESTROOMS	Men's Restroom
1st	113	RESTROOMS	Women's Restroom
1st	114	LOCKER ROOMS	Women's Locker Room
1st	115	KITCHEN AREA	Break Room
1st	116	OFFICES/COMP. ROOMS	Office
1st	117	ENTRANCES AND EXIT AREAS	Entry Vestibule
1st	118	WORK-ROOM/MAIL PROC.	Work Room #1
1st	119	WORK-ROOM/MAIL PROC.	Work Room #2
1st	120	WORK-ROOM/MAIL PROC.	Work Room #3
1st	121	L.O.G.	LOG
1st	122	LOADING DOCK/STORAGE	Storage Room
1st	123	L.O.G.	LOG Entry
1st	124	LOADING DOCK/STORAGE	Platform
1st	125	ROOFS, SIDING AND PANELING	Building Exterior
2nd	200	ROOFS, SIDING AND PANELING	Roof
CST	COST		Consultant's Cost

A.4. SITE LOCATION MAP



From USGS 7.5' Lacey Quad

MAXIM 5609702685.A1

Contract No.: 072976-95-B-0004	Location Map
Work Order No.: 767.00	U.S. Postal Service - Asbestos Survey
Finance No.: 546146/004	Lacey Branch, Olympia, Washington
Date: August 1997	FIGURE A.4

A.5. FLOOR PLAN LAYOUT FOR FACILITY

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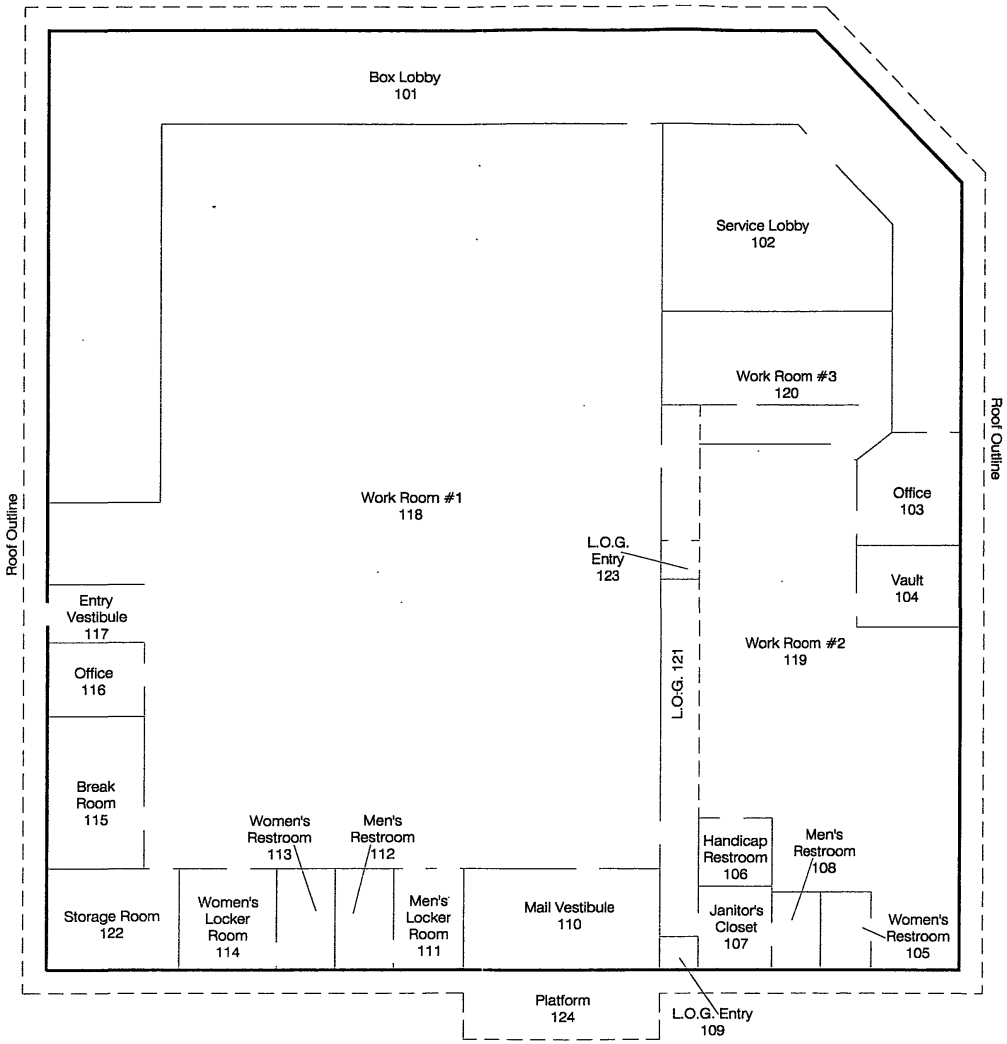

N

0 Feet 16

Note
Functional Area 125 is the Exterior
Functional Area 200 is the Roof

Contract No.: 072976-95-B-0004	Floor Plan
Work Order No.: 767.00	U.S. Postal Service - Asbestos Survey
Finance No.: 546146/004	Lacey Branch Post Office, Olympia, Washington
Date: July 1997	FIGURE A.5

MAXIM 5609702685.A1

SECTION B

FUNCTIONAL AREA REVIEW DESCRIPTION

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
NE	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.)
S	M5 Ceiling Panels (special attention to dock areas)
NE	M6 Ceiling Tiles
S	M7 Plaster
NE	M8 Caulking
NE	M9 Fire Door Insulation (assumed to be ACM if fire doors are present)
S	M10 Undercoating / Stainless Steel Sinks / etc.
NE	M11 Electrical Insulation
S	M12 Baseboard
NE	M13 Tile Debris
NE	M14 Metalbestos Chimney
S	M15 Stucco
NE	M16 Other

FLOOR COVERING

S	F1 Linoleum (seamless floor covering)
S	F2 12" x 12" Floor Tile
NE	F3 9" x 9" Floor Tile
S	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**

SECTION C

ASBESTOS LOCATIONS

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: **Olympia, WA - Lacey Branch Post Office**

Address: **5815 Lacey Blvd.**

City, State, ZIP Code: **Lacey, WA 98503-9998**

Finance No./Sub-Loc. No **546146-004**

Date of Inspection: **07/15/1997**

Site Inspected By: **Daphne Digrindakis**

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	101	Lobbies	F	12" x 12" Floor Tile	0	No	No	F2.1A,B,C	0	12" x 12" Floor Tile; Blue
1st	101	Lobbies	F	Mastic under Floor Tile/etc.	0	No	No	F5.1A,B,C	0	Mastic Under 12" x 12" Floor Tile; Blue
1st	101	Lobbies	F	Mastic under Floor Tile/etc.	0	No	No	F5.9A,B,C	0	Mastic Under 12" x 12" Carpet Squares
1st	101	Lobbies	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	101	Lobbies	M	Ceiling Panels	0	No	No	M5.3A,B,C	0	2' x 4' Lay-in Ceiling Panels; Dots & Fissures
1st	101	Lobbies	M	Plaster	0	No	No	M7.1A-G	0	Plaster Walls
1st	101	Lobbies	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	102	Lobbies	F	12" x 12" Floor Tile	0	No	No	F2.1A,B,C	0	12" x 12" Floor Tile; Blue
1st	102	Lobbies	F	Mastic under Floor Tile/etc.	0	No	No	F5.1A,B,C	0	Mastic Under 12" x 12" Floor Tile; Blue
1st	102	Lobbies	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	102	Lobbies	M	Ceiling Panels	0	No	No	M5.3A,B,C	0	2' x 4' Lay-in Ceiling Panels; Dots & Fissures
1st	102	Lobbies	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	103	Offices/Comp. Rooms	F	Mastic under Floor Tile/etc.	0	No	No	F5.4A,B,C	0	Mastic Under Blue Carpet
1st	103	Offices/Comp. Rooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	103	Offices/Comp. Rooms	M	Ceiling Panels	0	No	No	M5.3A,B,C	0	2' x 4' Lay-in Ceiling Panels; Dots & Fissures

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.

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	103	Offices/Comp. Rooms	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	103	Offices/Comp. Rooms	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	104	Vaults/Acct. Papers	F	12" x 12" Floor Tile	140	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	104	Vaults/Acct. Papers	F	Mastic under Floor Tile/etc.	140	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	104	Vaults/Acct. Papers	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	104	Vaults/Acct. Papers	M	Wallboard/Taping Material	0	No	No	M3.2A,B,C	0	1995 Remodel Walls And Ceiling - Not Suspect
1st	105	Restrooms	F	Linoleum	60	Yes	No	F1.1A,B,C	1b	Gold Sheet Vinyl
1st	105	Restrooms	F	Mastic under Floor Tile/etc.	60	Yes	No	F5.5A,B,C	1b	Mastic Under Gold Sheet Vinyl
1st	105	Restrooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	105	Restrooms	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	105	Restrooms	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls And Ceiling - Not Suspect
1st	106	Restrooms	F	Linoleum	0	No	No	F1.2A,B,C	0	Beige Sheet Vinyl
1st	106	Restrooms	F	Mastic under Floor Tile/etc.	0	No	No	F5.6A,B,C	0	Mastic Under Beige Sheet Vinyl
1st	106	Restrooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	106	Restrooms	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls And Ceiling - Not Suspect
1st	107	Janitor Closet	F	Linoleum	0	No	No	F1.2A,B,C	0	Beige Sheet Vinyl
1st	107	Janitor Closet	F	Mastic under Floor Tile/etc.	0	No	No	F5.6A,B,C	0	Mastic Under Beige Sheet Vinyl
1st	107	Janitor Closet	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	107	Janitor Closet	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	107	Janitor Closet	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls And Ceiling - Not Suspect
1st	108	Restrooms	F	Linoleum	0	No	No	F1.2A,B,C	0	Beige Sheet Vinyl
1st	108	Restrooms	F	Mastic under Floor Tile/etc.	0	No	No	F5.6A,B,C	0	Mastic Under Beige Sheet Vinyl

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.

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

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	108	Restrooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	108	Restrooms	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	108	Restrooms	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls And Ceiling - Not Suspect
1st	109	L.O.G.	F	Concrete Floor - Not Suspect	0	No	No	None Taken	0	Concrete Floor - Not Suspect
1st	109	L.O.G.	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	109	L.O.G.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls and Ceiling
1st	110	Entrances and Exit Areas	F	12" x 24" Floor Tile	0	No	No	F4.1A,B,C	0	Black Floor Plank
1st	110	Entrances and Exit Areas	F	Mastic under Floor Tile/etc.	250	Yes	No	F5.7A,B,C	1b	Mastic Under Black Floor Plank
1st	110	Entrances and Exit Areas	F	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	110	Entrances and Exit Areas	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	110	Entrances and Exit Areas	M	Ceiling Panels	0	No	No	M5.5A,B,C	0	2' x 4' Lay-in Ceiling Panels; Big Holes
1st	111	Locker Rooms	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines
1st	111	Locker Rooms	F	Mastic under Floor Tile/etc.	110	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	111	Locker Rooms	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	111	Locker Rooms	M	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' Lay-in Ceiling Panels; Shell Pattern
1st	111	Locker Rooms	M	Plaster	0	No	No	M7.1A,B,C	0	Plaster Exterior Wall
1st	111	Locker Rooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	112	Restrooms	F	12" x 12" Floor Tile	0	No	No	M2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines
1st	112	Restrooms	F	Mastic under Floor Tile/etc.	90	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	112	Restrooms	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	112	Restrooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls And Ceiling
1st	113	Restrooms	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines

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.

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	113	Restrooms	F	Mastic under Floor Tile/etc.	90	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	113	Restrooms	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	113	Restrooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls And Ceiling
1st	114	Locker Rooms	F	12" x 12" Floor Tile	155	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	114	Locker Rooms	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines
1st	114	Locker Rooms	F	Mastic under Floor Tile/etc.	155	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	114	Locker Rooms	F	Mastic under Floor Tile/etc.	6	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	114	Locker Rooms	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	114	Locker Rooms	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	114	Locker Rooms	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls and Ceiling
1st	115	Kitchen Area	F	12" x 12" Floor Tile	240	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	115	Kitchen Area	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines
1st	115	Kitchen Area	F	Mastic under Floor Tile/etc.	240	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	115	Kitchen Area	F	Mastic under Floor Tile/etc.	7	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	115	Kitchen Area	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	115	Kitchen Area	M	Ceiling Panels	0	No	No	M5.5A,B,C	0	2' x 4' Lay-in Ceiling Panels; Big Holes
1st	115	Kitchen Area	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	115	Kitchen Area	M	Undercoating-S.S.Sinks-etc.	1	Yes	Yes	M10.1A,B,C	2	Sink Undercoating
1st	115	Kitchen Area	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	116	Offices/Comp. Rooms	F	12" x 12" Floor Tile	120	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile (under carpet); Beige With Brown Spots
1st	116	Offices/Comp. Rooms	F	Mastic under Floor Tile/etc.	120	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots

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.

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

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	116	Offices/Comp. Rooms	F	Mastic under Floor Tile/etc.	0	No	No	M5.4A,B,C	0	Mastic Under Blue Carpet
1st	116	Offices/Comp. Rooms	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	116	Offices/Comp. Rooms	M	Ceiling Panels	0	No	No	M5.5A,B,C	0	2' x 4' Lay-In Ceiling Panels; Big Holes
1st	116	Offices/Comp. Rooms	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	116	Offices/Comp. Rooms	M	Wood Paneled Walls	0	No	No	None Taken	0	Wood Paneled Walls - Not Suspect
1st	117	Entrances and Exit Areas	F	12" x 12" Floor Tile	95	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	117	Entrances and Exit Areas	F	Mastic under Floor Tile/etc.	95	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	117	Entrances and Exit Areas	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	117	Entrances and Exit Areas	M	Ceiling Panels	0	No	No	M5.5A,B,C	0	2' x 4' Lay-in Ceiling Panels; Big Holes
1st	117	Entrances and Exit Areas	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	118	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	5875	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	118	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	0	No	No	F2.3A,B,C	0	12" x 12" Floor Tile; Light Yellow Stripes
1st	118	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines
1st	118	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	5875	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	118	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	0	No	No	F5.3A,B,C	0	Mastic Under 12" x 12" Floor Tile; Light Yellow Stripes
1st	118	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	460	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	118	Work-Room/Mail Proc.	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	118	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' Lay-in Ceiling Panels; Shell Pattern
1st	118	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.2A, B,C	0	2' x 4' Lay-in Ceiling Panels; Fissures
1st	118	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.4A,B,C	0	2' x 4' Lay-in Ceiling Panels; Cross Hatch
1st	118	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	118	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls

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.

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	118	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	119	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	1865	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	119	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	0	No	No	F2.3A,B,C	0	12" x 12" Floor Tile; Light Yellow Stripes
1st	119	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	1865	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	119	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	100	Yes	No	F5.3A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Light Yellow Stripes
1st	119	Work-Room/Mail Proc.	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	119	Work-Room/Mail Proc.	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	119	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' Lay-in Ceiling Panels; Shell Pattern
1st	119	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.4A,B,C	0	2' x 4' Lay-in Ceiling Panels; Cross Hatch
1st	119	Work-Room/Mail Proc.	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	119	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	119	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	120	Work-Room/Mail Proc.	F	12" x 12" Floor Tile	0	No	No	F2.1A,B,C	0	12" x 12" Floor Tile; Blue
1st	120	Work-Room/Mail Proc.	F	Mastic under Floor Tile/etc.	0	No	No	F5.1A,B,C	0	Mastic Under 12" x 12" Floor Tile; Blue
1st	120	Work-Room/Mail Proc.	M	Baseboard	0	No	No	M12.2A,B,C	0	Mastic Under Remodel Wall Base
1st	120	Work-Room/Mail Proc.	M	Ceiling Panels	0	No	No	M5.3A,B,C	0	2' x 4' Lay-in Ceiling Panels; Dots & Fissures
1st	120	Work-Room/Mail Proc.	M	Wallboard/Taping Material	0	No	No	None Taken	0	1995 Remodel Walls - Not Suspect
1st	121	L.O.G.	F	Mastic under Floor Tile/etc.	0	No	No	F5.10A,B,C	0	Mastic Under Black Carpet
1st	121	L.O.G.	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	121	L.O.G.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls and Ceiling
1st	122	Loading Dock/Storage	F	12" x 12" Floor Tile	210	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	122	Loading Dock/Storage	F	12" x 12" Floor Tile	0	No	No	F2.4A,B,C	0	12" x 12" Floor Tile; Beige With Lines

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.

Floor No	Room No	Functional Area	SACBM Type	Homogeneous Material Description	QTY	ACBM	Friable	Associated Bulk Sample No	Risk Assess./ Hazard Ranking	Comments
1st	122	Loading Dock/Storage	F	Mastic under Floor Tile/etc.	210	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	122	Loading Dock/Storage	F	Mastic under Floor Tile/etc.	5	Yes	No	F5.8A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Lines
1st	122	Loading Dock/Storage	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	122	Loading Dock/Storage	M	Ceiling Panels	0	No	No	M5.1A,B,C	0	2' x 4' Lay-in Ceiling Panels; Shell Pattern
1st	122	Loading Dock/Storage	M	Ceiling Panels	0	No	No	M5.6A,B,C	0	2' x 4' Lay-in Ceiling P anels; Aligned Dots & Fissures
1st	122	Loading Dock/Storage	M	Plaster	0	No	No	M7.1A-G	0	Plaster Exterior Wall
1st	122	Loading Dock/Storage	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	123	L.O.G.	F	12" x 12" Floor Tile	25	Yes	No	F2.2A,B,C	1b	12" x 12" Floor Tile; Beige With Brown Spots
1st	123	L.O.G.	F	Mastic under Floor Tile/etc.	25	Yes	No	F5.2A,B,C	1b	Mastic Under 12" x 12" Floor Tile; Beige With Brown Spots
1st	123	L.O.G.	M	Baseboard	0	No	No	M12.1A,B,C	0	Mastic Under Wall Base
1st	123	L.O.G.	M	Wallboard/Taping Material	0	No	No	M3.1A,B,C	0	Sheetrock Walls
1st	124	Loading Dock/Storage	M	Stucco	0	No	No	M15.1A-E	0	Ceiling Stucco
1st	125	Roofs, Siding and Paneling	M	Stucco	0	No	No	M15.1A-E	0	Stucco Walls
2nd	200	Roofs, Siding and Paneling	M	Roofing Materials	3000	Yes	No	None Taken	1b	Cedar Shake Overhang - Asphalt Felt Underlayment Assumed Positive
2nd	200	Roofs, Siding and Paneling	M	Roofing Materials	13200	Yes	No	None Taken	1b	Flat Built-up Asphaltic Roof System - Assumed Positive

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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.

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

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N

0 Feet 16

Note
Functional Area 125 is the Exterior
Functional Area 200 is the Roof

- ACBM (sheet vinyl and mastic)
- ACBM (floor tile and mastic)
- ACBM (mastic)
- ACBM (sink undercoating)
- Suspect ACBM Sample Location
- Suspect ACBM Sample Location (taken in L.O.G.)
- ACBM (roof - assumed positive)

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Contract No.: 072976-95-B-0004	ACBM Homogenous Area Locations
Work Order No.: 767.00	U.S. Postal Service - Asbestos Survey
Finance No.: 546146/004	Lacey Branch Post Office, Olympia, Washington
Date: July 1997	FIGURE C.2

SECTION D

BULK SAMPLING

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

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N

0 Feet 16

Note
Functional Area 125 is the Exterior
Functional Area 200 is the Roof

▲ Suspect ACBM Sample Location

▲ Suspect ACBM Sample Location (taken in L.O.G.)

1 Photo Number and Location

Contract No.: 072976-95-B-0004	Bulk Sample and Photograph Locations
Work Order No.: 767.00	U.S. Postal Service - Asbestos Survey
Finance No.: 546146/004	Lacey Branch Post Office, Olympia, Washington
Date: July 1997	FIGURE D.2

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D.3. BULK SAMPLE ANALYSIS RESULTS

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Billings, MT 59107
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TECHNICAL REPORT

REPORT TO: UNITED STATES POSTAL SERVICE
SEATTLE DISTRICT
415 FIRST AVENUE NORTH
SEATTLE WA 98109-9991

DATE: August 4, 1997
JOB NUMBER: 87-911
SHEET: 1 of 12
INVOICE NO.: G7173

REPORT OF: Building Material Analysis - USPS - Olympia Lacey Branch -- Platinum #5609702685.A1

SAMPLE IDENTIFICATION:

On July 21, 1997, our laboratory received 93 building material samples from Daphne Digrindakis. 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 119149 through 119241 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 $\pm 5\%$ from the reported value
10 - 50%, true concentrations may vary $\pm 10\%$ from the reported value
50 - 100%, true concentrations may vary $\pm 10\%$ 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.

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 Ortiss

Reviewed by:

Debbie Dilley

rmr

Maxim

BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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August 4, 1997
Job No. 87-911
Sheet 3 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119149	F1.1A; gold sheet vinyl, Rm 105	One layer: 1) Tan flexible solid with white fibrous backing (100%)	30% Chrysotile	70% Nonfibrous Binder
119150	F5.5A; mastic under gold sheet vinyl, Rm 105	One layer: 1) Yellow gummy resin (100%)	6% Chrysotile	3% Cellulose 91% Nonfibrous Binder
119151	F1.1B; gold sheet vinyl, Rm 105		HOLD - Not Analyzed	
119152	F5.5B; mastic under gold sheet vinyl, Rm 105		HOLD - Not Analyzed	
119153	F1.1C; gold sheet vinyl, Rm 105		HOLD - Not Analyzed	
119154	F5.5C; mastic under gold sheet vinyl, Rm 105		HOLD - Not Analyzed	
119155	F1.2A; beige sheet vinyl Rm 106	One layer: 1) Beige flexible solid with gray fibrous backing (100%)	None Detected	10% Cellulose 5% Fibrous Glass 5% Synthetic Fibers 5% Wollastonite 75% Nonfibrous Binder
119156	F5.6A; mastic under beige vinyl, Rm 106	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119157	F1.2B; beige sheet vinyl Rm 107	One layer: 1) Beige flexible solid with gray fibrous backing (100%)	None Detected	10% Cellulose 5% Fibrous Glass 5% Synthetic Fibers 5% Wollastonite 75% Nonfibrous Binder
119158	F5.6B; mastic under beige vinyl, Rm 107	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
5609702685.A1

August-4, 1997
Job No. 87-911
Sheet 4 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119159	F1.2C; beige sheet vinyl Rm 108	One layer: 1) Beige flexible solid with gray fibrous backing (100%)	None Detected	10% Cellulose 5% Fibrous Glass 5% Synthetic Fibers 5% Wollastonite 75% Nonfibrous Binder
119160	F5.6C; mastic under beige vinyl, Rm 108	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119161	F2.1A; 12x12 blue floor tile, Rm 120	One layer: 1) Gray solid (100%)	None Detected	100% Nonfibrous Binder
119162	F5.1A; mastic under blue floor tile, Rm 120	One layer: 1) Tan gummy resin (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder
119163	F2.1B; 12x12 blue floor tile, Rm 101	One layer: 1) Gray solid (100%)	None Detected	100% Nonfibrous Binder
119164	F5.1B; mastic under blue floor tile, Rm 101	One layer: 1) Tan gummy resin (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder
119165	F2.1C; 12x12 blue floor tile, Rm 101	One layer: 1) Gray solid (100%)	None Detected	100% Nonfibrous Binder
119166	F5.1C; mastic under blue floor tile, Rm 101	One layer: 1) Tan gummy resin (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder
119167	F2.2A; 12x12 beige with brown spots floor tile, Rm 115	One layer: 1) Beige solid (100%)	4% Chrysotile	96% Nonfibrous Binder
119168	F5.2A; mastic under 12x12 beige with brown spots floor tile, Rm 115	One layer: 1) Black resin (100%)	6% Chrysotile	94% Nonfibrous Binder
119169	F2.2B; 12x12 beige with brown spots floor tile, Rm 118		HOLD - Not Analyzed	

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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August 4, 1997
Job No. 87-911
Sheet 5 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119170	F5.2B; mastic under 12x12 beige with brown spots floor tile, Rm 118		HOLD - Not Analyzed	
119171	F2.2C; 12x12 beige with brown spots floor tile, Rm 118		HOLD - Not Analyzed	
119172	F5.2C; mastic under 12x12 beige with brown spots floor tile, Rm 118		HOLD - Not Analyzed	
119173	F2.3A; 12x12 light yellow striped floor tile, Rm 119	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder
119174	F5.3A; mastic under 12x12 light yellow striped floor tile, Rm 119	One layer: 1) Black resin (100%)	10% Chrysotile	90% Nonfibrous Binder
119175	F2.3B; 12x12 light yellow striped floor tile, Rm 119	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder
119176	F5.3B; mastic under 12x12 light yellow striped floor tile, Rm 119		HOLD - Not Analyzed	
119177	F2.3C; 12x12 light yellow striped floor tile, Rm 118	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder
119178	F5.3C; mastic under 12x12 light yellow striped floor tile, Rm 118		HOLD - Not Analyzed	
119179	F2.4A; 12x12 beige with lines floor tile, Rm 115	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder
119180	F5.8A; mastic under 12x12 beige with lines floor tile, Rm 115	One layer: 1) Black resin (100%)	7% Chrysotile	93% Nonfibrous Binder
119181	F2.4B; 12x12 beige with lines floor tile, Rm 118	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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Job No. 87-911
Sheet 6 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119182	F5.8B; mastic under 12x12 beige with lines floor tile, Rm 118		HOLD - Not Analyzed	
119183	F2.4C; 12x12 beige with lines floor tile, Rm 118	One layer: 1) White solid (100%)	None Detected	100% Nonfibrous Binder
119184	F5.8C; mastic under 12x12 beige with lines floor tile, Rm 118		HOLD - Not Analyzed	
119185	F4.1A; black plank flooring, Rm 110	One layer: 1) Black solid (100%)	None Detected	100% Nonfibrous Binder
119186	F5.7A; mastic under black plank flooring, Rm 110	One layer: 1) Black resin (100%)	5% Chrysotile	95% Nonfibrous Binder
119187	F4.1B; black plank flooring, Rm 110	One layer: 1) Black solid (100%)	None Detected	100% Nonfibrous Binder
119188	F5.7B; mastic under black plank flooring, Rm 110		HOLD - Not Analyzed	
119189	F4.1C; black plank flooring, Rm 110	One layer: 1) Black solid (100%)	None Detected	100% Nonfibrous Binder
119190	F5.7C; mastic under black plank flooring, Rm 110		HOLD - Not Analyzed	
119191	F5.4A; carpet mastic, Rm 103	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119192	F5.4B; carpet mastic, Rm 103	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119193	F5.4C; carpet mastic, Rm 116	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
5609702685.A1

August 4, 1997
Job No. 87-911
Sheet 7 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119194	M3.1A; sheetrock and joint compound, Rm 119	Three layers:		
		1) White crystalline solid (30%)	None Detected	100% Nonfibrous Binder
		2) Tan fibrous backing (10%)	None Detected	90% Cellulose 10% Nonfibrous Binder
		3) White chalky solid (60%)	None Detected	1% Cellulose 99% Nonfibrous Binder
119195	M3.1B; sheetrock and joint compound, Rm 115	Three layers:		
		1) White crystalline solid (15%)	None Detected	100% Nonfibrous Binder
		2) Tan fibrous backing (20%)	None Detected	90% Cellulose 10% Nonfibrous Binder
		3) White chalky solid (65%)	None Detected	1% Cellulose 99% Nonfibrous Binder
119196	M3.1C; sheetrock and joint compound, Rm 119	Three layers:		
		1) White crystalline solid (40%)	None Detected	100% Nonfibrous Binder
		2) Tan fibrous backing (20%)	None Detected	90% Cellulose 10% Nonfibrous Binder
		3) White chalky solid (40%)	None Detected	1% Cellulose 99% Nonfibrous Binder
119197	M5.1A; 2x4 lay-in ceiling panel (seashell), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder
119198	M5.1B; 2x4 lay-in ceiling panel (seashell), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder
119199	M5.1C; 2x4 lay-in ceiling panel (seashell), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder
119200	M5.2A; 2x4 lay-in ceiling panel (fissure), Rm 118	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Cellulose 10% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119201	M5.2B; 2x4 lay-in ceiling panel (fissure), Rm 118	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Cellulose 10% Nonfibrous Binder
119202	M5.2C; 2x4 lay-in ceiling panel (fissure), Rm 118	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Cellulose 10% Nonfibrous Binder
119203	M5.3A; 2x4 lay-in ceiling panel (dots & fissures), Rm 101	One layer: 1) Beige fibrous solid (100%)	None Detected	30% Cellulose 30% Mineral Wool 40% Nonfibrous Binder and Perlite
119204	M5.3B; 2x4 lay-in ceiling panel (dots & fissures), Rm 101	One layer: 1) Beige fibrous solid (100%)	None Detected	30% Cellulose 30% Mineral Wool 40% Nonfibrous Binder and Perlite
119205	M5.3C; 2x4 lay-in ceiling panel (dots & fissures), Rm 101	One layer: 1) Beige fibrous solid (100%)	None Detected	30% Cellulose 30% Mineral Wool 40% Nonfibrous Binder
119206	M5.4A; 2x4 lay-in ceiling panel (cross hatch), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder
119207	M5.4B; 2x4 lay-in ceiling panel (cross hatch), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder
119208	M5.4C; 2x4 lay-in ceiling panel (cross hatch), Rm 119	One layer: 1) White flexible coating w/yellow fibrous mass (100%)	None Detected	90% Fibrous Glass 10% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119209	M5.5A; 2x4 lay-in ceiling panel (big holes), Rm 110	One layer: 1) Beige fibrous solid (100%)	None Detected	35% Cellulose 45% Mineral Wool 20% Nonfibrous Binder and Perlite
119210	M5.5B; 2x4 lay-in ceiling panel (big holes), Rm 115	One layer: 1) Beige fibrous solid (100%)	None Detected	35% Cellulose 45% Mineral Wool 20% Nonfibrous Binder and Perlite
119211	M5.5C; 2x4 lay-in ceiling panel (big holes), Rm 115	One layer: 1) Beige fibrous solid (100%)	None Detected	35% Cellulose 45% Mineral Wool 20% Nonfibrous Binder and Perlite
119212	M7.1A; plaster, Rm 119	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119213	M7.1B; plaster, Rm 105	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119214	M7.1C; plaster, Rm 110	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119215	M7.1D; plaster, Rm 114	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119216	M7.1E; plaster, Rm 111	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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August 4, 1997
Job No. 87-911
Sheet 10 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119217	M7.1F; plaster, Rm 114	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119218	M7.1G; plaster, Rm 111	One layer: 1) White granular solid (100%)	None Detected	100% Nonfibrous Binder, Perlite and Mineral Aggregate
119219	M10.1A; sink undercoating, Rm 115	One layer: 1) White solid (100%)	30% Chrysotile	70% Nonfibrous Binder
119220	M10.1B; sink undercoating, Rm 115		HOLD - Not Analyzed	
119221	M10.1C; sink undercoating, Rm 115		HOLD - Not Analyzed	
119222	M12.1A; baseboard mastic, Rm 114	One layer: 1) Brown resinous solid (100%)	None Detected	5% Wollastonite 95% Nonfibrous Binder
119223	M12.1B; baseboard mastic, Rm 118	One layer: 1) Brown resinous solid (100%)	None Detected	5% Wollastonite 95% Nonfibrous Binder
119224	M12.1C; baseboard mastic, Rm 119	One layer: 1) Brown resinous solid (100%)	None Detected	5% Wollastonite 95% Nonfibrous Binder
119225	M12.2A; baseboard mastic, Rm 118	One layer: 1) White resin (100%)	None Detected	<1% Cellulose 99% Nonfibrous Binder
119226	M12.2B; baseboard mastic, Rm 118	One layer: 1) White resin (100%)	None Detected	2% Cellulose 98% Nonfibrous Binder
119227	M12.2C; baseboard mastic, Rm 118	One layer: 1) White resin (100%)	None Detected	1% Cellulose 99% Nonfibrous Binder

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
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August 4, 1997
Job No. 87-911
Sheet 11 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119228	M15.1A; exterior stucco, Rm 124	One layer: 1) Gray granular solid (100%)	None Detected	100% Nonfibrous Binder and Mineral Aggregate
119229	M15.1B; exterior stucco, Rm 125	One layer: 1) Gray granular solid (100%)	None Detected	100% Nonfibrous Binder and Mineral Aggregate
119230	M15.1C; exterior stucco, Rm 125	One layer: 1) Gray granular solid (100%)	None Detected	100% Nonfibrous Binder and Mineral Aggregate
119231	M15.1D; exterior stucco, Rm 125	One layer: 1) Gray granular solid (100%)	None Detected	100% Nonfibrous Binder and Mineral Aggregate
119232	M15.1E; exterior stucco, Rm 125	One layer: 1) Gray granular solid (100%)	None Detected	100% Nonfibrous Binder and Mineral Aggregate
119233	F5.9A; carpet mastic, (12x12 squares), Rm 101	One layer: 1) Brown resin (100%)	None Detected	100% Nonfibrous Binder
119234	F5.9B; carpet mastic, (12x12 squares), Rm 101	One layer: 1) Brown resin (100%)	None Detected	100% Nonfibrous Binder
119235	F5.9C; carpet mastic, (12x12 squares), Rm 101	One layer: 1) Brown resin (100%)	None Detected	100% Nonfibrous Binder
119236	M5.6A; 2x4 lay-in ceiling panel (aligned dots and fissures), Rm 122	One layer: 1) Beige fibrous solid (100%)	None Detected	50% Cellulose 50% Nonfibrous Binder and Perlite
119237	M5.6B; 2x4 lay-in ceiling panel (aligned dots and fissures), Rm 122	One layer: 1) Beige fibrous solid (100%)	None Detected	50% Cellulose 50% Nonfibrous Binder and Perlite
119238	M5.6C; 2x4 lay-in ceiling panel (aligned dots and fissures), Rm 122	One layer: 1) Beige fibrous solid (100%)	None Detected	50% Cellulose 50% Nonfibrous Binder and Perlite

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BUILDING MATERIAL ANALYSIS
ASBESTOS CONTENT

USPS - OLYMPIA LACEY BRANCH
5609702685.A1

August 4, 1997
Job No. 87-911
Sheet 12 of 12

Lab No.	Sample Identification	Sample Description	Asbestos Identification and Estimated Quantity	Non-Asbestos Fibrous Material Identification and Estimated Quantity
119239	F5.10A; carpet mastic (L.O.G.), Rm 121	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119240	F5.10B; carpet mastic (L.O.G.), Rm 121	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder
119241	F5.10C; carpet mastic (L.O.G.), Rm 121	One layer: 1) Tan gummy resin (100%)	None Detected	100% Nonfibrous Binder

D.4. BULK SAMPLE CHAIN OF CUSTODY

CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service Client Name	USPS Seattle District Client Address	560970268S rA1 Job Number
Olympia WA - Lacey Branch Building Name/Number	415 - 1st Avenue North	7/17/97 Date
Daphne Digrindakis Post Office Collected by/Distributed to:	Seattle WA 98109-9991 (Address for the final lab report)	10 days Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required: PLM Asbestos	Results
119 49 50	F1.1A/FS.5A	Gold Sheet Vinyl & Mastic, Rm 105	7/17/97		
51 52	F1.1B/FS.5B	Rm 105			
53 54	F1.1C/FS.5C	Rm 105			
55 56	F1.2A/FS.6A	Beige Sheet Vinyl & Mastic, Rm 106			
57 58	F1.2B/FS.6B	Rm 107			
59 60	F1.2C/FS.6C	Rm 108			
61 62	F2.1A/FS.1A	12x12 Blue floor Tile & Mastic, Rm 120			
63 64	F2.1B/FS.1B	Rm 101			
65 66	F2.1C/FS.1C	Rm 101			
67 68	F2.2A/FS.2A	12x12 Beige w/ Brown Spots Floor Tile & Mastic, Rm 115			
69 70	F2.2B/FS.2B	Rm 118			
71 72	F2.2C/FS.2C	Rm 118			
Date 7/17/97	Time —	Total Samples Shipped 72	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 8 AM USPS

USPS

Mike Ofuss

7/21/97

Mike Ofuss

CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service	USPS Seattle District	560970268 5 rA1
Client Name	Client Address	Job Number
Olympia WA - Lacey Branch Post Office	415 - 1st Avenue North	7/17/97
Building Name/Number	Seattle WA 98109-9991	Date
Daphne Digrindakis	(Address for the final lab report)	10 days
Collected by/Distribute to:		Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required	Results
				PLM Asbestos	
119 73 74	F2.3A / F5.3A	12x12 Light Yellow Striped Floor Tile & Mastic Rm 119	7/17/97		
75 76	F2.3B / F5.3B	Rm 119			
77 78	F2.3C / F5.3C	Rm 118			
79 80	F2.4A / F5.8A	12x12 Beige with Lines Floor Tile & Mastic Rm 115			
81 82	F2.4B / F5.8B	Rm 118			
83 84	F2.4C / F5.8C	Rm 118			
85 86	F4.1A / F5.7A	Black Plank Flooring & Mastic Rm 110			
87 88	F4.1B / F5.7B	Rm 110			
89 90	F4.1C / F5.7C	Rm 110			
91	F5.4A	Carpet Mastic Rm 103			
92	F5.4B	Rm 103			
93	F5.4C	Rm 116			
Date 7/17/97	Time —	Total Samples Shipped 12	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 8Am USPS Mike Witness

Rob Quess 7/21/97

MAXIM TECHNOLOGIES, INC. 600 SOUTH 25TH STREET, BILLINGS, MONTANA 59101 (406) 248-9169

CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service Client Name	USPS Seattle District Client Address	560970268 5 IA1 Job Number
Olympia WA - Lacey Branch Post Office Building Name/Number	415 - 1st Avenue North Seattle WA 98109-9991 (Address for the final lab report)	7/17/97 Date
Daphne Digrindakis Collected by/Distribute to:		10 days Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required: PLM Asbestos	Results
119194	M3.1A	Sheetrock & Joint Compound; Rm 119	7/17/97		
95	M3.1B	Rm 115			
96	M3.1C	Rm 119			
97	MS.1A	2x4 Lay-in Ceiling Panel (Seashell); Rm 119			
98	MS.1B	Rm 119			
99	MS.1C	Rm 119			
119200	MS.2A	2x4 Lay-in Ceiling Panel (Fissures); Rm 118			
01	MS.2B	Rm 118			
02	MS.2C	Rm 118			
03	MS.3A	2x4 Lay-in Ceiling Panel (Dots & Fissures); Rm 101			
04	MS.3B	Rm 101			
05	MS.3C	Rm 101			
Date 7/17/97	Time –	Total Samples Shipped 72	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 Pam USPS Mike Ofness

Mike Ofness J Cleveland 7/21/97

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CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service Client Name	USPS Seattle District Client Address	560970268 5 rA1 Job Number
Olympia WA - Lacey Branch Post Office Building Name/Number	415 - 1st Avenue North Seattle WA 98109-9991 (Address for the final lab report)	7/17/97 Date
Daphne Digrindakis Collected by/Distribute to:		10 days Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required: PLM Asbestos	Results
119706	M5.4A	2x4 Lay-in Ceiling Panels (Cross-Hatch) Rm 119	7/17/97		
07	M5.4B	Rm 119			
08	M5.4C	Rm 119			
09	M5.5A	2x4 Lay-in Ceiling Panels (Big Holes) Rm 110			
10	M5.5B	Rm 115			
11	M5.5C	Rm 115			
12	M7.1A	Plaster; Rm 119			
13	M7.1B	Rm 105			
14	M7.1C	Rm 110			
15	M7.1D	Rm 114			
16	M7.1E	Rm 111			
17	M7.1F	Rm 114			
Date 7/17/97	Time —	Total Samples Shipped 12	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 8AM USPS Mike Ahrens

MAXIM TECHNOLOGIES, INC. 600 SOUTH 25TH STREET, BILLINGS, MONTANA 59101 (406) 248-9169

Mike Ahrens H Cleveland 7/21/97

CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service Client Name	USPS Seattle District Client Address	560970268 5 rA1 Job Number
Olympia WA - Lacey Branch Post Office Building Name/Number	415 - 1st Avenue North Seattle WA 98109-9991	7/17/97 Date
Daphne Digrindakis Collected by/Distribute to:	(Address for the final lab report)	10 days Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required: PLM Asbestos	Results
119218	M7.1G	Plaster; Rm 111	7/17/97		
19	M10.1A	Sink Undercoating; Rm 115			
20	M10.1B	↓ Rm 115			
21	M10.1C	↓ Rm 115			
22	M12.1A	Baseboard Mastic; Rm 114			
23	M12.1B	↓ Rm 118			
24	M12.1C	↓ Rm 119			
25	M12.2A	Baseboard Mastic; Rm 118			
26	M12.2B	↓ Rm 118			
27	M12.2C	↓ Rm 118			
28	M15.1A	Exterior Stucco; Rm 124			
29	M15.1B	↓ Rm 125	↓	↓	
Date 7/17/97	Time —	Total Samples Shipped 72	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 8 AM USPS Mike Ofness

Mike Ofness

S Cleveland 7/21/97

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CHAIN OF CUSTODY RECORD
BULK ASBESTOS AND LEAD SAMPLES

USPostal Service Client Name	USPS Seattle District Client Address	560970268 5 rA1 Job Number
Olympia WA - Lacey Branch Building Name/Number	415 - 1st Avenue North Seattle WA 98109-9991	7/17/97 Date
Daphne Digrindakis Post offici Collected by/Distributed to:	(Address for the final lab report)	10 days Turn Around Time

Laboratory Number	Sample Number	Sample Description and Location	Date Collected	Analysis Required: PLM Asbestos	Results
119230	M15.1C	Exterior Stucco: Rm 125	7/17/97		
31	M15.1D	Rm 125			
32	M15.1E	Rm 125			
33	FS.9A	Carpet Mastic (12x12 Squares) Rm 101			
34	FS.9B	Rm 101			
35	FS.9C	Rm 101			
36	MS.6A	2x4 Lay-in Panel Ceiling (Aligned Dots & Fissures) Rm 122			
37	MS.6B	Rm 122			
38	MS.6C	Rm 122			
39	FS.10A	Carpet Mastic (LOG): Rm 121			
40	FS.10B	Rm 121			
41	FS.10C	Rm 121			
Date 7/17/97	Time —	Total Samples Shipped (12)	Received by		Total Samples Received
		Daphne Digrindakis	Received by USPS		Total Samples Received

7/21/97 JAW USPS

Mike Ofness

Mike Ofness

7/21/97

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SECTION E

PHOTOGRAPHS

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 AREAS

PHOTO #1 - FRONT OF FACILITY

PHOTO #2 - REAR OF FACILITY

PHOTO #3 - GOLD SHEET VINYL (F1.1) AND MASTIC (F5.5)

PHOTO #4 - 12"x12" BEIGE WITH BROWN SPOTS
FLOOR TILE (F2.2) AND MASTIC (F5.2)

PHOTO #5 - MASTIC UNDER 12"x12"

PHOTO #6 - MASTIC UNDER 12"x12" BEIGE WITH LINES
FLOOR TILE (F5.8)

PHOTO #7 - MASTIC UNDER BLACK FLOOR PLANK (F5.7)

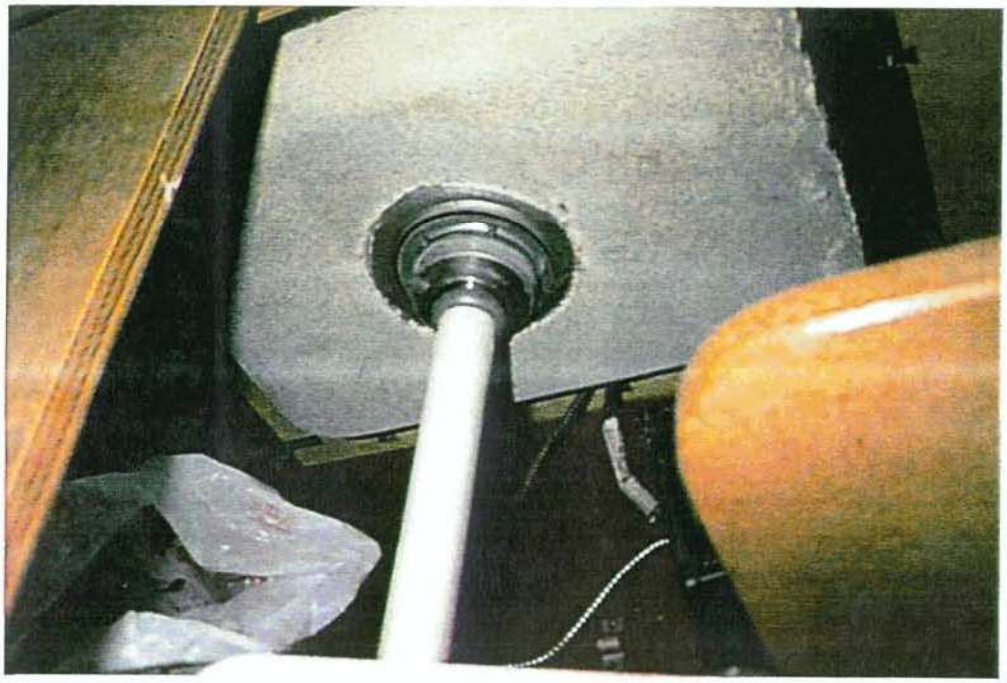


PHOTO #8 - SINK UNDER COATING (M10.1)

SECTION F

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
/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

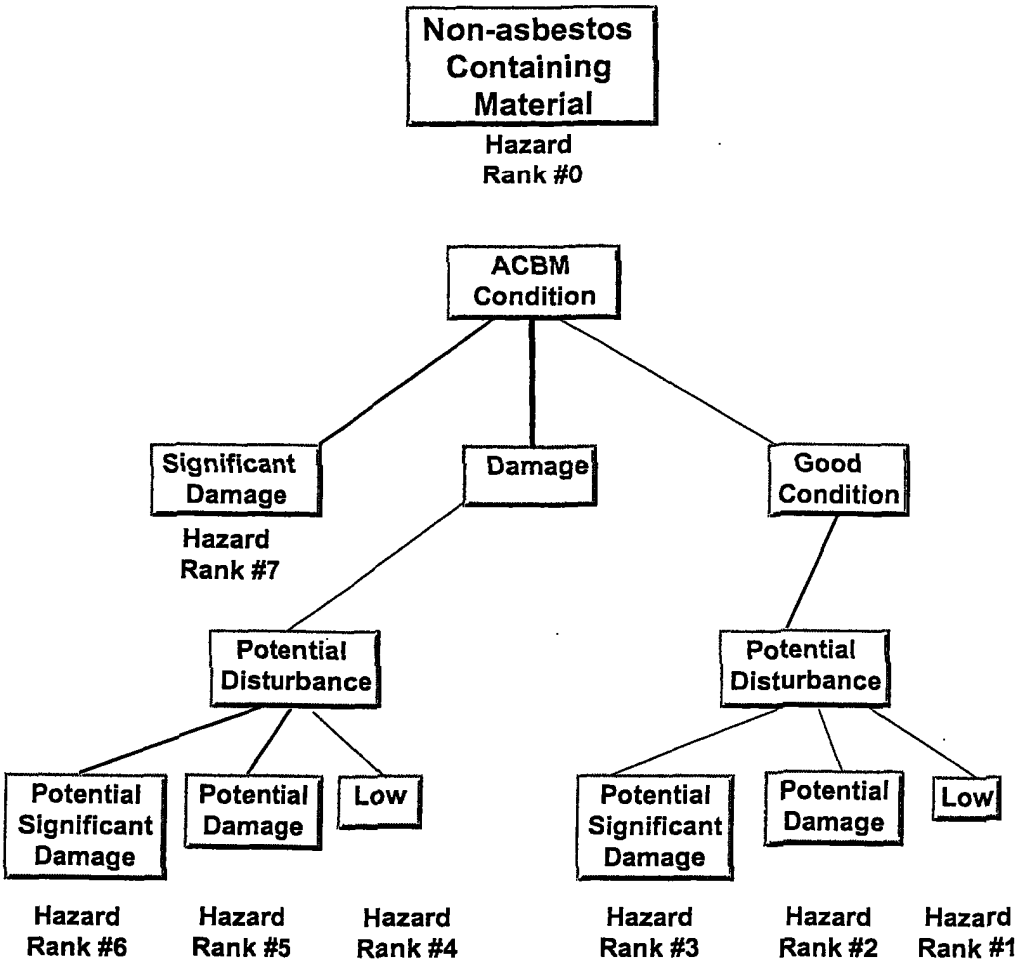
Room:	Description:	Unit:	Quantity:	Total Cost:
104	12" x 12" Floor Tile	Square Feet	140	$350.00
104	Mastic under Floor Tile/etc.	Square Feet	140	$350.00
105	Linoleum	Square Feet	60	$300.00
105	Mastic under Floor Tile/etc.	Square Feet	60	$300.00
110	Mastic under Floor Tile/etc.	Square Feet	250	$1,250.00
111	Mastic under Floor Tile/etc.	Square Feet	110	$550.00
112	Mastic under Floor Tile/etc.	Square Feet	90	$450.00
113	Mastic under Floor Tile/etc.	Square Feet	90	$450.00
114	12" x 12" Floor Tile	Square Feet	155	$387.50
114	Mastic under Floor Tile/etc.	Square Feet	6	$30.00
114	Mastic under Floor Tile/etc.	Square Feet	155	$387.50
115	12" x 12" Floor Tile	Square Feet	240	$600.00
115	Mastic under Floor Tile/etc.	Square Feet	7	$35.00
115	Mastic under Floor Tile/etc.	Square Feet	240	$600.00
115	Undercoating-S.S.Sinks-etc.	Each	1	$250.00
116	12" x 12" Floor Tile	Square Feet	120	$300.00
116	Mastic under Floor Tile/etc.	Square Feet	120	$300.00
117	12" x 12" Floor Tile	Square Feet	95	$237.50
117	Mastic under Floor Tile/etc.	Square Feet	95	$237.50
118	12" x 12" Floor Tile	Square Feet	5875	$14,687.50
118	Mastic under Floor Tile/etc.	Square Feet	5875	$14,687.50
118	Mastic under Floor Tile/etc.	Square Feet	460	$2,300.00
119	12" x 12" Floor Tile	Square Feet	1865	$4,662.50
119	Mastic under Floor Tile/etc.	Square Feet	100	$400.00
119	Mastic under Floor Tile/etc.	Square Feet	1865	$4,662.50
122	12" x 12" Floor Tile	Square Feet	210	$525.00
122	Mastic under Floor Tile/etc.	Square Feet	5	$25.00
122	Mastic under Floor Tile/etc.	Square Feet	210	$525.00
123	12" x 12" Floor Tile	Square Feet	25	$62.50
123	Mastic under Floor Tile/etc.	Square Feet	25	$62.50
200	Roofing Materials	Square Feet	13200	$79,200.00
200	Roofing Materials	Square Feet	3000	$9,000.00
COST	Consultant's Cost			$12,400.00

Grand Total: $150,565.00

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

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 Potential
7	Significantly damaged	Any
6	Damaged with potential for signifcant 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 Damage	O&M required for all friable ACBM and TSI.
1	7	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 applicaion, renovation, removal and disposal of ACBM in building structures.