



ATTACHMENT "C"

Asbestos and Limited Lead-Based Paint Survey Report

Clatsop County Courthouse
749 Commercial Street
Astoria, OR 97103

prepared for:
Clatsop County



General Information	1.1
Inspection Summary	1.2
Sample Inventories	2.1
Laboratory Data	Not Numbered
AHERA Certificates	Not Numbered

October 2006
Project #: 19786.001

4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939 MAIN
503.248.0223 FAX
888.248.1939 TOLLFREE

ENGINEERING AND ENVIRONMENTAL

www.pbsehv.com

GENERAL INFORMATION

BUILDING DATA

Clatsop County Courthouse
749 Commercial Street
Astoria, OR 97103

Year Built: 1908

Square Footage: 39,000 SF

Construction Information: Brick and stone exterior, lath / plaster and gypsum board walls and ceilings, radiant heating with local HVAC units serving specific rooms/areas.

CLIENT DATA

Clatsop County
749 Commerical Street
Astoria, OR 97103

SURVEY SCOPE

PBS Engineering and Environmental has performed a general asbestos survey of accessible building areas in accordance with OSHA in 29 CFR 1910.1001 and compiled a report with the following information:

- The type, location and approximate quantity of suspect asbestos-containing materials;
- Bulk sampling of selected suspect building materials;
- Laboratory analytical data of bulk materials sampled

PBS endeavored to locate all the suspect asbestos-containing materials in the building; however, suspect asbestos-containing materials may be present concealed within wall, ceiling, or floor spaces. If suspect materials are uncovered during demolition activities that are not identified in this report, testing should be performed prior to impact.

PBS has conducted a physical inspection of the building, compiled this report consistent with the survey scope, and certifies that the information is correct and accurate within the standards of professional quality and contractual obligations.

Bob Kleckner
Project Manager/Prime Inspector
Accreditation #: PDR-06-1539A

Signature

Date

INSPECTION SUMMARY

DATES	SURVEYED BY	ACTIVITY
9/6/2006	B. Kleckner	Survey and Sampling
9/7/2006	B. Kleckner	Survey and Sampling
9/8/2006	B. Kleckner	Survey and Sampling
9/22/2006	B. Kleckner	Survey and Sampling

PBS Engineering and Environmental has investigated accessible areas inside of the building(s) to locate suspect asbestos-containing building materials (ACBM). Suspect materials may be present in concealed areas (e.g. behind walls and under carpet). The findings are listed below.

ASBESTOS MATERIALS

The following materials either tested positive, or, based on the experience of PBS field personnel, were not tested and should be considered asbestos-containing. Materials that had mixed results are considered positive. Materials not sampled may not contain asbestos and should be tested to verify asbestos content prior to impact through demolition, renovation, etc.

(+) Tested Positive, (M) Mixed Results, (P) Presumed Positive, (T) Previously Tested Positive.

<u>Result</u>	<u>Material (type)</u>	<u>Location</u>	<u>Approx. Quantity</u>
(+)	Vinyl Floor Tile (01)	Basement: Jury Room, Clerk Office, Conference Room, Judge Chambers, Judge Administrative Assistant, and Associated Corridor. Beige/Olive Tile Under Carpet.	1,300 SF
(+)	Vinyl Floor Tile (03)	Basement; Courtroom; Brown Tile Under Carpet.	1,450 SF
(+)	Mag Pipe Insulation	Basement; Server Room Above Lay-in Ceiling Tile (LCT), Women's Restroom Above LCT, Conference Room West of Clerks Office.	100 LF

INSPECTION SUMMARY

(M)	Glued-on Ceiling Tiles (01)	1st Floor; Juvenile Conference Room, Adjacent Storage Room East, Adjacent Mail Room, Adjacent Storage Room West. Above LCT and on Juvenile Conference Room North Wall. This material has tested less than one percent asbestos via point count analysis.	1,100 SF
(+)	Vinyl Floor Tile (04)	1st Floor; West Storage Room; Beige/Olive Tile Under Carpet.	820 SF
(+)	Mag Pipe Insulation	1st Floor; SW Conference Room, West Storage Room, NW Storage Room, Juvenile Conference Room, North End of Main Lobby, Court Clerk Vestibule Area, Court Clerk East File Room, Central Services Office and Central Services SE Corner Office.	150 LF
(M)	Glued-on Ceiling Tiles (01)	2nd Floor; Courtroom Ceiling and Walls. This material has tested less than one percent asbestos via point count analysis.	2,500 SF

MATERIALS WHICH TESTED NEGATIVE FOR ASBESTOS

The following materials tested negative based on ASHARA sampling minimums and testing by NVLAP participating laboratories. Although no asbestos was detected, it is possible that further sampling could indicate asbestos content. It may be prudent to test prior to impact through demolition, renovation, etc.

Material (type)

Location

Black Mastic Under Floor Tile (01)

Basement; Jury Room, Clerk Office, Adjacent Conference Room, Judge

INSPECTION SUMMARY

Black Mastic Under VAT (04)	Chambers, Judge Admin. Assistant, and Associated Corridor.
Black Residual Mastic Under Carpet	1st Floor; West Storage Room.
Built-up Roofing (03)	Basement Main Corridor @ South Entrance.
Built-up Roofing (Field) (01)	Roofing Layer Under Existing Roofing System and Associated Plywood Substrate.
Built-up Roofing (Parapet) (02)	Main Roof
Gypsum Wallboard/Joint Compd.	Main Roof
Lay-in Ceiling Tile (2x4 Deep Fissure) (05)	Throughout Building
Lay-in Ceiling Tile (2x4 Pock Mark Pattern) (03)	2nd Floor; Office South of DA File Room.
Lay-in Ceiling Tile (2x4 Random Fissure w/ pin perf) (01)	1st Floor; Court Clerk Break Room and Adjacent Office/Storage.
Lay-in Ceiling Tile (2x4 Random Fissure w/ Pin Perf) (02)	Basement; Main Corridor, Courtroom, Courtroom hallway, Judge and Jury Restrooms, Judge Office, Judge Admin. Assistant Office, Jury Room, Clerk Office, SE Conference Room, South Storage Room, Men's and Women's Restroom, SW Conference Room, Court Staff Office Area, Court Staff West Office, Court Staff Manager's Office, Law Library, Law Library Witness Rooms, Server Room..
	1st Floor; Central Services and Associated Offices, SW Conference Room and Associated Vestibule, West Storage Rooms, NW Storage Room, Juvenile Conference Room and Associated Storage and Mail Rooms, Court Clerk and Associated Vestibule, Offices, and East File Room.

INSPECTION SUMMARY

Lay-in Ceiling Tile (2x4 Random Fissure w/ Pin Perf) (04)	2nd Floor; Judge Chambers Office, Judge Chambers Copy Fax Room, Corridor Outside Judge Chambers, Docket Planning, Victim's Services, Office North of Victims Services Office, DA Vestibule, DA Reception Area and Office East of DA Reception.
Lay-in Ceiling Tile (2x4 Textured w/ Pin Perf) (06)	2nd Floor; Assistant DA Office and Adjacent Offices and Hallway.
Sheet Floor Covering (Beige w/ Line Pattern) (07)	2nd Floor; Judge Chamber's Restroom.
Sheet Floor Covering (Brown Herringbone Pattern) (06)	1st Floor; Central Services Vault.
Sheet Floor Covering (Brown Marble) (10)	1st Floor; Central Services Vault.
Sheet Floor Covering (Brown Mosaic Pattern) (03)	Basement; Server Room.
Sheet Floor Covering (Brown w/ Black Mastic) (09)	1st Floor; Storage and Mail Room Adjacent East of the Juvenile Conference Room.
Sheet Floor Covering (Grey Mosaic Pattern) (04)	Basement; Jury Restroom, Judge Restroom.
Sheet Floor Covering (Grey Square Pattern) (02)	Basement; Break Room.
Sheet Floor Covering (Red Sand Pattern) (08)	2nd Floor Jury Room Restroom.
Sheet Floor Covering (Teal Mosaic Pattern) (01)	Basement: Men's and Women's Restroom.
Sheet Floor Covering (White w/ Blue Diamonds) (05)	1st Floor; West Vault North and South Entrance Pads.
Stapled-on Ceiling Tile (1x1 Peg Hole Pattern)	1st Floor; SW Conference Room, West Storage Rooms, Court Clerk Office and Associated Vestibule, East File Room, and Break Room.
Vinyl Floor Tile/ Brown Mastic (Beige Tile) (06)	1st Floor; Court Clerk Office and Associated Vestibule, Offices, Open Offices, and East File Room.
Wall and Ceiling Plaster	Throughout Building
Yellow Mastic Under Floor Tile (03)	Basement; Courtroom.

INSPECTION SUMMARY

BACKGROUND

Between the dates of September 6 and September 22, 2006, PBS Engineering and Environmental performed a comprehensive asbestos and limited lead-based paint survey of the Clatsop County Courthouse located at 749 Commercial Street in Astoria, Oregon. Samples of accessible suspect asbestos-containing materials (ACM) were collected and submitted under chain of custody to Lab/Cor, Inc. of Portland for polarized light microscopy (PLM) asbestos analysis. Representative paint chip samples were collected and submitted under chain of custody to RJ Lee Group, Inc. of San Leandro, CA. The following is a summary of our findings.

ASBESTOS SUMMARY

BASEMENT

Asbestos-containing floor tile was identified under carpet in the Courtroom, SE Jury Room, Clerk's Office, SE Conference Room, Judge Chambers, Judge Assistance Office and associated Hallway. Mastics associated with these asbestos-containing tiles tested negative for asbestos.

Asbestos-containing pipe insulation was identified above lay-in ceiling tile systems in the Server Room, Boiler Room/Server Room Vestibule, and Women's Restroom.

All other suspect materials identified and sampled in the basement tested negative for asbestos. See the "Materials Which Tested Negative for Asbestos" section of this report.

1ST FLOOR

Asbestos-containing floor tile was identified in the storage room located on the west side of the floor. The black associated mastic tested negative for asbestos.

Asbestos-containing pipe insulation was identified in the Central Services office, Central Services SE office, SW conference room, west storage room, NW storage room, juvenile conference room, main corridor, court clerk open office area and file room

Mixed results were obtained for glued-on ceiling and wall tiles located in the NW Storage Room, Juvenile Conference Room and associated Storage Room and Mail Room. The results are mixed with the highest concentration at less than one percent. Until further sampling of this material is performed, it is identified as a material containing less than one percent asbestos.

Materials testing less than one percent asbestos are not regulated under the EPA handling, removal and disposal requirements. However, OSHA regulations (29 CFR, 1920.1001, 29 CFR, 1926.1101 and interpretations) require that the material be handled at all times by personnel with appropriate asbestos training and that an OSHA defined competent person select appropriate work procedures and engineering control strategies during removal/handling operations.

All other suspect materials identified and sampled in the 1st Floor tested negative for asbestos. See the "Materials Which Tested Negative for Asbestos" section of this report.

INSPECTION SUMMARY

2ND FLOOR

Mixed results were obtained for glued-on ceiling and wall tiles located in the Courtroom walls and ceiling. The results are mixed with the highest concentration resulting at less than one percent. Until further sampling of this material is performed, it is identified as a material containing less than one percent asbestos.

Materials testing less than one percent asbestos are not regulated under the EPA handling, removal and disposal requirements. However, OSHA regulations (29 CFR, 1920.1001, 29 CFR, 1926.1101 and interpretations) require that the material be handled at all times by personnel with appropriate asbestos training and that an OSHA defined competent person select appropriate work procedures and engineering control strategies during removal/handling operations.

All other suspect materials identified and sampled in the 2nd Floor tested negative for asbestos. See the "Materials Which Tested Negative for Asbestos" section of this report.

ATTIC

There were no observed suspect ACM's in the attic space.

ROOF

All samples collected of the built-up roofing and associated sublayers tested negative for asbestos.

LEAD-BASED PAINT

A total of 20 representative paint coatings were collected from interior and exterior building components. Sample locations were focused on areas designated for up-coming renovation work. Results varied. The lead paint sample number, location, component, substrate, color, condition and laboratory result are as follows:

2001; Basement; court staff manager office; wall; gypsum; white; good; <128 ppm.
2002; Basement; server room; wall; gypsum; cream; good; <143 ppm.
2003; Basement; server room; wall; brick; cream; good; <102 ppm.
2004; Basement; boiler room; wall; brick; white; poor; <72.5 ppm.
2005; Basement; server room vestibule; column; wood; green; fair; 132 ppm.
2006; Basement; court staff office; vault door; metal; yellow; good; 33,500 ppm.
2007; Basement; court staff office; wall; gypsum; off-white; good; <217 ppm
2008; 1st Floor; SW conference room; wall; plaster; white over green; good; 127 ppm.
2009; 1st Floor; central service office; wall; plaster; white over tan; good; 165,000 ppm.
2010; 1st Floor; central services office; wall; gypsum; white; good; <105 ppm.
2011; 1st Floor; court clerk; office north of break room; wall; plaster; white over tan; good; <84.4 ppm.
2012; 1st Floor; court clerk; open office area; wall; plaster; white over tan;
2013; 1st Floor; juvenile conference room; wall; plaster; green/tan; good.
2014; 1st Floor; juvenile conference room east storage room; wall; plaster; white; good.

INSPECTION SUMMARY

2015; 1st Floor; west storage room; wall; plaster; green/tan; good.
2016; 1st Floor; storage room west of the juvenile conference room; wall; plaster; green/tan; good.
2017; 2nd Floor; juvenile department; breakroom; wall; plaster; white/green; good.
2018; 2nd Floor; juvenile department entrance; wall; wood; white/green; good.
2019; 2nd Floor; main corridor; ceiling; plaster; white/tan; good.
2020; Exterior; window outside 1st floor SW conference room; window frame; wood; maroon, good.

Laboratory analysis of these samples produced results ranging from below the limit of detection to 165,000 parts per million (ppm). There are several definitions of "lead-based paint." For consumer products, it is 0.06% or 600 ppm. The Department of Housing and Urban Development (HUD) defines lead-based paint as that which contains 0.5% or 5,000 ppm. Under OSHA, any amount of lead triggers the OSHA Lead in Construction Standard.

REGULATORY ISSUES (LEAD-BASED PAINT)

Oregon OSHA adopted the federal OSHA lead in construction standard (29 CFR 1926.62) in November of 1993 under OAR 437 Division 3 1926.62. The OR-OSHA standards outline worker exposure limits, personal protection requirements, and employer responsibility for exposure assessment, training, housekeeping and recordkeeping. OSHA's lead standard applies to all work where employees may be exposed to lead in construction, alteration, or repair. This includes demolition and/or renovation of structures where lead-containing materials are present.

Disposal of building demolition waste coated with lead-based paint will generally not require a hazardous waste determinations (i.e., TCLP testing) if demolition debris is disposed of at a solid waste landfill that is permitted by DEQ and which meets the current design standards for municipal solid waste disposal facilities of 40 CFR Part 258.

Reference the DEQ Hazardous waste reduction policy and follow all requirements under the Oregon DEQ, Management of Building Demolition Waste, 97-002 for proper disposal of lead-based painted demolition waste.

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0101	Vinyl Floor Tile/Mastic (01)	Basement; judge chambers' corridor; beige/olive tile under carpet Analysis: 4% Chrysotile (Vinyl, beige) No Asbestos Detected (Mastic, black) No Asbestos Detected (Mastic, brown)	Lab Cor
19786.000-0102	Mag Pipe Insulation	Basement; server room above LCT Analysis: 8% Chrysotile (Fibrous powder, off white)	Lab Cor
19786.000-0103	Vinyl Floor Tile/Mastic (03)	Basement; SW corner of courtroom; brown tile under carpet Analysis: 4% Chrysotile (Vinyl, brown) No Asbestos Detected (Mastic, yellow)	Lab Cor
19786.000-0104	Sheet Floor Covering (01)	Basement; men's room; teal mosaic pattern Analysis: No Asbestos Detected (Vinyl, grey) No Asbestos Detected (Fibrous material, grey) No Asbestos Detected (Mastic, grey)	Lab Cor
19786.000-0105	Sheet Floor Covering (02)	Basement; break room; grey square pattern Analysis: No Asbestos Detected (Vinyl, grey) No Asbestos Detected (Fibrous material, grey) No Asbestos Detected (Mastic, tan)	Lab Cor
19786.000-0106	Sheet Floor Covering (03)	Basement; server room brown mosaic pattern Analysis: No Asbestos Detected (Vinyl, brown) No Asbestos Detected (Fibrous material, tan)	Lab Cor
19786.000-0107	Sheet Floor Covering (04)	Basement; judge restroom; grey mosaic pattern Analysis: No Asbestos Detected (Vinyl, grey) No Asbestos Detected (Fibrous material, grey) No Asbestos Detected (Mastic, yellow)	Lab Cor
19786.000-0108	Mastic	Basement; main corridor at S entrance; residual floor mastic; black Analysis: No Asbestos Detected (Mastic, black)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0109	Lay-in Ceiling Tile (01)	Basement; main corridor Analysis: No Asbestos Detected (Compressed fibers, tan)	Lab Cor
19786.000-0110	Wall and Ceiling Plaster (01)	Basement; main corridor; plaster ceiling above LCT Analysis: No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0111	Wall and Ceiling Plaster (01)	Basement; main corridor; plaster ceiling above LCT Analysis: No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0112	Wall and Ceiling Plaster (02)	Basement; stair to 1st floor; wall Analysis: No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0113	Wall and Ceiling Plaster (02)	Basement; stair to 1st floor; wall Analysis: No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0114	Gypsum Wallboard/Joint Compd.	Basement; main corridor; wall outside court staff Analysis: No Asbestos Detected (Compacted material, off white)	Lab Cor
19786.000-0115	Gypsum Wallboard/Joint Compd.	Basement; law library; witness room; wall Analysis: No Asbestos Detected (Compacted material, white)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0116	Sheet Floor Covering (05)	1st floor; SW vault; north entrance; white w/ blue diamond pattern Analysis: No Asbestos Detected (Vinyl, off white) No Asbestos Detected (Mastic, black)	Lab Cor
19786.000-0117	Sheet Floor Covering (06)	1st floor; court clerk vault; brown herringbone pattern (45 degrees) Analysis: No Asbestos Detected (Vinyl, red)	Lab Cor
19786.000-0118	Vinyl Floor Tile/Mastic (04)	1st floor; west storage room; beige/olive tile w/ black mastic; under carpet Analysis: 3% Chrysotile (Vinyl, tan) No Asbestos Detected (Mastic, black)	Lab Cor
19786.000-0119	Sheet Floor Covering (09)	1st floor; juvenile conference room east storage room; brown w/ black mastic; under carpet Analysis: No Asbestos Detected (Mastic, tan) No Asbestos Detected (Vinyl, red) No Asbestos Detected (Fibrous tar, black)	Lab Cor
19786.000-0120	Vinyl Floor Tile/Mastic (06)	1st floor; court clerk office adj to breakroom; 9" beige tile under carpet Analysis: No Asbestos Detected (Vinyl, tan) No Asbestos Detected (Mastic, brown)	Lab Cor
19786.000-0121	Lay-in Ceiling Tile (02)	1st floor; NW storage room; 2x4 random fissure w/ pin perf Analysis: No Asbestos Detected (Compressed fibers, grey)	Lab Cor
19786.000-0122	Lay-in Ceiling Tile (03)	1st floor; court clerk break room; 2x4 pockmark pattern Analysis: No Asbestos Detected (Compressed fibers, grey)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0123	Stapled-on Ceiling Tile (01)	1st floor; west storage room; 1x1 peg hole pattern Analysis: No Asbestos Detected (Compressed fibers, tan/white)	Lab Cor
19786.000-0124	Glued-on Ceiling Tiles (01)	1st floor; juvenile conference room; 1x1 heavy textured above LCT Analysis: No Asbestos Detected (Compacted material, tan) No Asbestos Detected (Mastic, brown)	Lab Cor
19786.000-0125	Wall and Ceiling Plaster (02)	1st floor; west storage room; ceiling above LCT Analysis: No Asbestos Detected (Cementitious, white) No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0126	Wall and Ceiling Plaster (02)	1st floor; SW conference room; ceiling above LCT Analysis: No Asbestos Detected (Cementitious, white) No Asbestos Detected (Powder, grey)	Lab Cor
19786.000-0127	Wall and Ceiling Plaster (02)	1st floor; west storage room; west wall Analysis: No Asbestos Detected (Powder, grey)	Lab Cor
19786.000-0128	Wall and Ceiling Plaster (02)	1st floor; west storage room; near west entrance; north wall Analysis: No Asbestos Detected (Cementitious, white) No Asbestos Detected (Powder, grey)	Lab Cor
19786.000-0129	Gypsum Wallboard/Joint Compd.	1st floor; juvenile conference room; east wall Analysis: No Asbestos Detected (Compacted powder, grey) No Asbestos Detected (Compacted material, tan)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0130	Gypsum Wallboard/Joint Compd.	1st floor; central services; south office; north wall Analysis: No Asbestos Detected (Compacted material, white)	Lab Cor
19786.000-0131	Sheet Floor Covering (07)	2nd floor; judge chambers restroom; beige w/ line pattern Analysis: No Asbestos Detected (Vinyl, tan) No Asbestos Detected (Fibrous material, tan)	Lab Cor
19786.000-0132	Sheet Floor Covering (08)	2nd floor; jury room restroom; red sand pattern Analysis: No Asbestos Detected (Vinyl, red) No Asbestos Detected (Fibrous material, grey) No Asbestos Detected (Mastic, yellow)	Lab Cor
19786.000-0133	Lay-in Ceiling Tile (04)	2nd floor; courtroom corridor; 2x4 random fissure w/ pin perf Analysis: No Asbestos Detected (Compressed fibers, tan)	Lab Cor
19786.000-0134	Lay-in Ceiling Tile (05)	2nd floor; DA office; file room; 2x4 big fissure Analysis: No Asbestos Detected (Compressed fibers, tan/white)	Lab Cor
19786.000-0135	Lay-in Ceiling Tile (06)	2nd floor; assistant DA offices; 2x4 textured w/ pin perf Analysis: No Asbestos Detected (Compressed fibers, grey)	Lab Cor
19786.000-0136	Glued-on Ceiling Tiles (02)	2nd floor; courtroom; south wall Analysis: Trace Chrysotile (Loose particulate, brown) No Asbestos Detected (Mastic, brown)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0137	Wall and Ceiling Plaster (02)	2nd floor; courtroom hallway; ceiling Analysis: No Asbestos Detected (Homogenous)	Lab Cor
19786.000-0138	Wall and Ceiling Plaster (02)	2nd floor; assist DA office area; ceiling Analysis: No Asbestos Detected (Cementitious, white) No Asbestos Detected (Cementitious, grey)	Lab Cor
19786.000-0139	Wall and Ceiling Plaster (02)	2nd floor; courthouse hallway; wall Analysis: No Asbestos Detected (Powder, grey)	Lab Cor
19786.000-0141	Gypsum Wallboard/Joint Compd.	2nd floor; juvenile dept; NW office; east wall Analysis: No Asbestos Detected (Compacted powder, off white) No Asbestos Detected (Compacted material, white)	Lab Cor
19786.000-0142	Textured Ceiling Material	2nd floor; courtroom hallway; west wall Analysis: No Asbestos Detected (Compacted material, white/ green)	Lab Cor
19786.000-0143	Textured Ceiling Material	2nd floor; courtroom hallway; north wall Analysis: No Asbestos Detected (Compacted material, white/ green)	Lab Cor
19786.000-0144	Built-up Roofing (01)	Roof; NE corner; field Analysis: No Asbestos Detected (Rocky fibrous tar, black) No Asbestos Detected (Fibrous tar, black)	Lab Cor

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Lab</u>
19786.000-0145	Built-up Roofing (01)	Roof; center; field Analysis: No Asbestos Detected (Rocky fibrous tar, black) No Asbestos Detected (Fibrous tar, black)	Lab Cor
19786.000-0146	Built-up Roofing (02)	Roof; south; parapet Analysis: No Asbestos Detected (Rocky fibrous tar, black)	Lab Cor
19786.000-0147	Built-up Roofing (03)	Roof; 2nd layer of roofing; under 1st layer plywood substrate Analysis: No Asbestos Detected (Fibrous tar, black)	Lab Cor
19786.000-0148	Sheet Floor Covering (10)	1st floor; central services vault; brown marble Analysis: No Asbestos Detected (Vinyl, brown) No Asbestos Detected (Fibrous material, tan)	Lab Cor

Client: PBS Engineering and Environmental
4412 SW Corbett Ave
Portland, OR 97239

Report Number: 060601R01
Report Date: 09/19/2006

Job Number: 060601

P.O. No: n/a

Project Name:

Project Number: 19786.000 Task 0001

Project Notes:

Client Sample ID: 19786.000-101		Sample ID: S1			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers		Percent of Sample:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
vinyl, beige		90 %	4 %	-	-	4 %
Layer 02						
mastic, black		3 %	-	-	-	NAD
Layer 03						
mastic, brown		7 %	-	-	-	NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	96 %
Layer 02	-	5 %	-	-	-	95 %
Layer 03	-	10 %	-	2 %	-	88 %

Client Sample ID: 19786.000-104		Sample ID: S2			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers		Percent of Sample:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
vinyl, grey		60 %	-	-	-	NAD
Layer 02						
fibrous material, grey		39 %	-	-	-	NAD
Layer 03						
mastic, grey		1 %	-	-	-	NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	5 %	40 %	-	-	-	55 %
Layer 03	-	2 %	-	-	-	98 %

Client Sample ID: 19786.000-105		Sample ID: S3			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers		Percent of Sample:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
vinyl, grey		50 %	-	-	-	NAD
Layer 02						
fibrous material, grey		48 %	-	-	-	NAD
Layer 03						
mastic, tan		2 %	-	-	-	NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	40 %	-	-	-	60 %
Layer 03	-	-	-	-	-	100 %

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-108		Sample ID: S4			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
mastic, black	100 %	-	-	-		NAD
<u>Other Fibers</u>						
Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix	
-	5 %	-	-	-	95 %	-
Client Sample ID: 19786.000-109		Sample ID: S5			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, tan	100 %	-	-	-		NAD
<u>Other Fibers</u>						
Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix	
-	40 %	40 %	-	-	20 %	-
Client Sample ID: 19786.000-110		Sample ID: S6			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
cementitious, grey	100 %	-	-	-		NAD
<u>Other Fibers</u>						
Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix	
-	Trace	-	-	Trace	100 %	-
Client Sample ID: 19786.000-111		Sample ID: S7			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
cementitious, grey	100 %	-	-	-		NAD
<u>Other Fibers</u>						
Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix	
-	1 %	-	-	Trace	99 %	-
Client Sample ID: 19786.000-114		Sample ID: S8			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compacted material, offwhite	100 %	-	-	-		NAD
<u>Other Fibers</u>						
Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix	
-	10 %	-	-	-	90 %	-

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-115		Sample ID: S9			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous compacted material, white	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	5 %	-	-	-	95 %
Client Sample ID: 19786.000-116		Sample ID: S10			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01 vinyl, offwhite	95 %	-	-	-		NAD
Layer 02 mastic, black	5 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	3 %	-	-	-	97 %
Client Sample ID: 19786.000-117		Sample ID: S11			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous vinyl, red	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	15 %	-	-	-	85 %
Client Sample ID: 19786.000-118		Sample ID: S12			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01 vinyl, tan	95 %	3 %	-	-		3 %
Layer 02 mastic, black	5 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	97 %
Layer 02	-	10 %	-	-	-	90 %

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-119		Sample ID: S13			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
mastic, tan	20 %	-	-	-		NAD
Layer 02						
vinyl, red	30 %	-	-	-		NAD
Layer 03						
fibrous tar, black	50 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	100 %
Layer 03	-	60 %	-	-	-	40 %

Client Sample ID: 19786.000-120		Sample ID: S14			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, tan	96 %	-	-	-		NAD
Layer 02						
mastic, brown	4 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	4 %	-	-	-	96 %
Layer 02	-	5 %	-	-	-	95 %

Client Sample ID: 19786.000-121		Sample ID: S15			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, grey	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	30 %	50 %	-	-	20 %

Client Sample ID: 19786.000-122		Sample ID: S16			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, grey	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	40 %	40 %	-	-	20 %

Asbestos and Environmental Analysis

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-123		Sample ID: S17			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Homogeneous compressed fibers, tan/white	100 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
	-	95 %	-	-	-	5 %	-	
Client Sample ID: 19786.000-124		Sample ID: S18			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01 compacted material, tan	95 %	-	-	-			NAD	
Layer 02 mastic, brown	5 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
Layer 01	-	-	-	-	-	100 %	-	
Layer 02	-	-	-	-	-	100 %	-	
Client Sample ID: 19786.000-125		Sample ID: S19			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01 cementitious, white	20 %	-	-	-			NAD	
Layer 02 cementitious, grey	80 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
Layer 01	-	-	-	-	-	100 %	-	
Layer 02	-	-	-	-	-	100 %	-	
Client Sample ID: 19786.000-126		Sample ID: S20			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01 cementitious, white	30 %	-	-	-			NAD	
Layer 02 powder, grey	70 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
Layer 01	-	-	-	-	-	100 %	-	
Layer 02	-	Trace	-	-	-	100 %	-	

Asbestos and Environmental Analysis

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-127		Sample ID: S21			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Homogeneous powder, grey	100 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
	-	-	-	-	-	100 %	-	
Client Sample ID: 19786.000-128		Sample ID: S22			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01 cementitious, white	5 %	-	-	-			NAD	
Layer 02 powder, grey	95 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
Layer 01	-	-	-	-	-	100 %	-	
Layer 02	-	-	-	-	Trace	100 %	-	
Client Sample ID: 19786.000-129		Sample ID: S23			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01 compacted powder, grey	70 %	-	-	-			NAD	
Layer 02 compacted material, tan	30 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
Layer 01	-	15 %	-	-	-	85 %	-	
Layer 02	-	-	-	-	-	100 %	-	
Client Sample ID: 19786.000-130		Sample ID: S24			Date Analyzed: 09/19/2006			
Client Sample Description:					Analyst: Darvey Santner			
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Homogeneous compacted material, white	100 %	-	-	-			NAD	
Other Fibers								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix		
	-	10 %	-	-	-	90 %	-	

Asbestos and Environmental Analysis

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-131		Sample ID: S25			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, tan	50 %	-	-	-		NAD
Layer 02						
fibrous material, tan	50 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	5 %	40 %	-	-	-	55 %

Client Sample ID: 19786.000-132		Sample ID: S26			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, red	50 %	-	-	-		NAD
Layer 02						
fibrous material, grey	45 %	-	-	-		NAD
Layer 03						
mastic, yellow	5 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	5 %	30 %	-	-	-	65 %
Layer 03	-	-	-	-	-	100 %

Client Sample ID: 19786.000-133		Sample ID: S27			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, tan	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	40 %	40 %	-	-	20 %

Client Sample ID: 19786.000-134		Sample ID: S28			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, tan/white	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	95 %	-	-	-	5 %

Asbestos and Environmental Analysis

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-135		Sample ID: S29			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compressed fibers, grey	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	40 %	40 %	-	-	20 %
Client Sample ID: 19786.000-136		Sample ID: S30			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
loose particulate, brown	95 %	Trace	-	-		Trace
Layer 02						
mastic, brown	5 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	100 %
Client Sample ID: 19786.000-137		Sample ID: S31			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %
Client Sample ID: 19786.000-138		Sample ID: S32			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
cementitious, white	20 %	-	-	-		NAD
Layer 02						
cementitious, grey	80 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	1 %	99 %
Client Sample ID: 19786.000-139		Sample ID: S33			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
powder, grey	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	Trace	100 %

Asbestos and Environmental Analysis

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

Client Sample ID: 19786.000-141		Sample ID: S34			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
compacted powder, offwhite	40 %	-	-	-		NAD
Layer 02						
compacted material, white	60 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	2 %	10 %	-	-	-	88 %
Layer 02	-	-	-	-	-	100 %

Client Sample ID: 19786.000-142		Sample ID: S35			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compacted material, white/green	100 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %

Client Sample ID: 19786.000-143		Sample ID: S36			Date Analyzed: 09/19/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
compacted material, white/green	100 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %

Job Number: 060601

Report Number: 060601R01

Report Date: 09/19/2006

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.


Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

Reviewed by:





TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 19786.000 Task 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: September 18, 2006

PBS Engineering and Environmental
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 503.248.0223

Tamara Anderson

Name

Tamara Anderson

Authorized Signature

9-18-06

Date

RECEIVER

Date Received: 9/18/06 11:30

Company: Lab Cor
Address: 4321 SW Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Amber Basting

Name

Amber Basting

Authorized Signature

9/18

Date

Sender's ID No.

Brief Description

Receiver's ID No.

19786.000-0101

19786.000-0104

19786.000-0105

19786.000-0108

19786.000-0109

19786.000-0110

19786.000-0111

19786.000-0114

19786.000-0115

19786.000-0116

19786.000-0117

19786.000-0118

19786.000-0119

19786.000-0120

19786.000-0121



TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

19786.000-0122

19786.000-0123

19786.000-0124

19786.000-0125

19786.000-0126

19786.000-0127

19786.000-0128

19786.000-0129

19786.000-0130

19786.000-0131

19786.000-0132

19786.000-0133

19786.000-0134

19786.000-0135

19786.000-0136

19786.000-0137

19786.000-0138

19786.000-0139

19786.000-0141

19786.000-0142

19786.000-0143

Please analyze the enclosed 36 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed. Request verbal results by: _____ AM/PM _____ Date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: 48 Hour

SPECIAL INSTRUCTIONS:

DK

Client: PBS Engineering and Environmental
4412 SW Corbett Ave
Portland, OR 97239

Report Number: 060623R01

Report Date: 09/26/2006

Job Number: 060623

P.O. No: n/a

Project Name:

Project Number: 19786.000 Task 0001

Project Notes:

Client Sample ID: 19786.000-0102		Sample ID: S1			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
fibrous powder, offwhite	100 %	8 %	-	-		8 %
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	20 %	-	-	-	72 %
Client Sample ID: 19786.000-0103		Sample ID: S2			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, brown	95 %	4 %	-	-		4 %
Layer 02						
mastic, yellow	5 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	96 %
Layer 02	-	-	-	-	-	100 %
Client Sample ID: 19786.000-0106		Sample ID: S3			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, brown	60 %	-	-	-		NAD
Layer 02						
fibrous material, tan	40 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	5 %	40 %	-	5 %	-	50 %

Job Number: 060623

Report Number: 060623R01

Report Date: 09/26/2006

Client Sample ID: 19786.000-0107		Sample ID: S4			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, grey	70 %	-	-	-		NAD
Layer 02						
fibrous material, grey	25 %	-	-	-		NAD
Layer 03						
mastic, yellow	5 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	5 %	45 %	-	5 %	-	45 %
Layer 03	-	2 %	-	-	-	98 %

Client Sample ID: 19786.000-0112		Sample ID: S5			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
cementitious, grey	100 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	Trace	-	-	1 %	99 %

Client Sample ID: 19786.000-0113		Sample ID: S6			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
cementitious, grey	100 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	Trace	-	-	1 %	99 %

Client Sample ID: 19786.000-0144		Sample ID: S7			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
<u>Asbestos Mineral Fibers</u>	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
rocky fibrous tar, black	25 %	-	-	-		NAD
Layer 02						
fibrous tar, black	75 %	-	-	-		NAD
<u>Other Fibers</u>						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	10 %	-	-	-	-	90 %
Layer 02	-	-	15 %	-	-	85 %

Asbestos and Environmental Analysis

Job Number: 060623

Report Number: 060623R01

Report Date: 09/26/2006

Client Sample ID: 19786.000-0145		Sample ID: S8			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
rocky fibrous tar, black	25 %	-	-	-		NAD
Layer 02						
fibrous tar, black	75 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	10 %	-	-	-	-	90 %
Layer 02	-	-	15 %	-	-	85 %

Client Sample ID: 19786.000-0146		Sample ID: S9			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
rocky fibrous tar, black	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	3 %	-	-	5 %	-	92 %

Client Sample ID: 19786.000-0147		Sample ID: S10			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
fibrous tar, black	100 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	3 %	-	-	-	97 %

Client Sample ID: 19786.000-0148		Sample ID: S11			Date Analyzed: 09/26/2006	
Client Sample Description:					Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
vinyl, brown	80 %	-	-	-		NAD
Layer 02						
fibrous material, tan	20 %	-	-	-		NAD
Other Fibers						
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	100 %	-	-	-	-

Job Number: 060623

Report Number: 060623R01

Report Date: 09/26/2006

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

Reviewed by:





TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 19786.000 Task 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: September 25, 2006

PBS Engineering and Environmental
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 503.248.0223

Name

Authorized Signature

Date

RECEIVER

Date Received: 9/25/06 3:05

Company: Lab Cor
Address: 4321 SW Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Name

Authorized Signature

Date

Sender's ID No.

Brief Description

Receiver's ID No.

19786.000-0102

19786.000-0103

19786.000-0106

19786.000-0107

19786.000-0112

19786.000-0113

19786.000-0144

19786.000-0145

19786.000-0146

19786.000-0147

19786.000-0148



TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 11 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed. Request verbal results by: _____ AM/PM _____ Date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: 24 Hour

SPECIAL INSTRUCTIONS:

BK

Asbestos and Environmental Analysis

Client: PBS Engineering and Environmental
4412 SW Corbett Ave
Portland, OR 97239

Report Number: 060633R01
Report Date: 09/28/2006

Job Number: 060633

P.O. No: n/a

Project Name:

Project Number: 19786.000 Task 0001

Project Notes:

Client Sample ID: 19786.000-0124	Sample ID: S1	Date Analyzed: 09/28/2006
Client Sample Description:	Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample: Chrysotile Amosite Crocidolite	Percent Asbestos:
Homogeneous	Point Count:	Point Count Fields:
loose particulate, tan	100 % - - -	NAD
Other Fibers		
Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 % -

Comments: QC Analysis

Client Sample ID: 19786.000-0136	Sample ID: S2	Date Analyzed: 09/28/2006
Client Sample Description:	Analyst: Darvey Santner	
Asbestos Mineral Fibers	Percent of Sample: Chrysotile Amosite Crocidolite	Percent Asbestos:
Homogeneous	Point Count: 0	Point Count Fields: 400
loose particulate, tan	100 % - - -	NAD
Other Fibers		
Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 % -

Comments: Point Count performed.

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.
Asbestos detection interferences may result from material binders.
Qualitative and quantitative TEM analysis may be recommended for difficult samples.
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.
The following estimate of error for this method by visual estimation of asbestos percent are as follows:
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

Reviewed by:





TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 19786.000 Task 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: September 18, 2006

PBS Engineering and Environmental
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 503.248.0223

Tamara Anderson
Name
Tamara Anderson 9-18-06
Authorized Signature Date

RECEIVER

Date Received: 9/18/06 11:30

Company: Lab Cor
Address: 4321 SW Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Amber Basting
Name
Amber Basting 9/18
Authorized Signature Date

Sender's ID No.

Brief Description

Receiver's ID No.

19786.000-0101

19786.000-0104

19786.000-0105

19786.000-0108

19786.000-0109

19786.000-0110

19786.000-0111

19786.000-0114

19786.000-0115

19786.000-0116

19786.000-0117

19786.000-0118

19786.000-0119

19786.000-0120

19786.000-0121



TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

19786.000-0122		
19786.000-0123		
19786.000-0124		
19786.000-0125		
19786.000-0126		
19786.000-0127		
19786.000-0128		
19786.000-0129		
19786.000-0130		
19786.000-0131		
19786.000-0132		
19786.000-0133		
19786.000-0134		
19786.000-0135		
19786.000-0136		
19786.000-0137		
19786.000-0138		
19786.000-0139		
19786.000-0141		
19786.000-0142		
19786.000-0143		

Please analyze the enclosed 36 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed. Request verbal results by: _____ AM/PM _____ Date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: 48 Hour

SPECIAL INSTRUCTIONS:

DK

<u>Code</u>	<u>Material</u>	<u>Analysis</u>	<u>Location</u>	<u>Lab</u>
PAINT				
LB19786.000-2001	Paint	<128 ppm	Basement; court staff manager office; wall; gypsum; off white; good	R.J. Lee Group
LB19786.000-2002	Paint	<143 ppm	Basement; server room; wall; gypsum; cream; good	R.J. Lee Group
LB19786.000-2003	Paint	<102 ppm	Basement; server room; wall; brick; cream; good	R.J. Lee Group
LB19786.000-2004	Paint	<72.5 ppm	Basement; boiler room; wall; brick; white; poor	R.J. Lee Group
LB19786.000-2005	Paint	132 ppm	Basement; server room vestibule; column; wood; green; fair	R.J. Lee Group
LB19786.000-2006	Paint	33,500 ppm	Basement; court staff room vault; door; door; metal; yellow; good	R.J. Lee Group
LB19786.000-2007	Paint	<217 ppm	Basement; court staff office; wall; gypsum; off white; good	R.J. Lee Group
LB19786.000-2008	Paint	127 ppm	1st floor; SW conference room; wall; plaster; white/green; good	R.J. Lee Group
LB19786.000-2009	Paint	165,000 ppm	1st floor; central services; wall; plaster; white/tan; good	R.J. Lee Group
LB19786.000-2010	Paint	<105 ppm	1st floor; central services; wall; gypsum; white; good	R.J. Lee Group
LB19786.000-2011	Paint	<84.4 ppm	1st floor; court clerk; office north of breakroom; wall; plaster; white/tan; good	R.J. Lee Group
LB19786.000-2012	Paint	141,000 ppm	1st floor; court clerk; open office area; wall; plaster; white/tan; good	R.J. Lee Group
LB19786.000-2013	Paint	3190 ppm	1st floor; juvenile conference room; wall; plaster; green/tan; good	R.J. Lee Group
LB19786.000-2014	Paint	102 ppm	1st floor; juvenile conference room east storage room; wall; plaster; white; good	R.J. Lee Group
LB19786.000-2015	Paint	1520 ppm	1st floor; west storage room; wall; plaster; green/tan; good	R.J. Lee Group
LB19786.000-2016	Paint	4540 ppm	1st floor; storage room west of the juvenile conference room; wall; plaster; green/tan; good	R.J. Lee Group
LB19786.000-2017	Paint	226 ppm	2nd floor; juvenile dept; breakroom; wall; plaster; white/green; good	R.J. Lee Group
LB19786.000-2018	Paint	<128 ppm	2nd floor; juvenile department entrance; wall; wood; white/green; good	R.J. Lee Group
LB19786.000-2019	Paint	510 ppm	2nd floor; main corridor; ceiling; plaster; white/tan; good	R.J. Lee Group
LB19786.000-2020	Paint	110,000 ppm	Exterior; 1st floor; window outside SW conference room; window frame; wood; maroon; good	R.J. Lee Group



RJ LeeGroup, Inc.

350 Hochberg Road, Monroeville, PA 15146
Tel: (724) 325-1776 | Fax: (724) 733-1799

LABORATORY REPORT

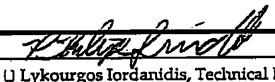
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239-4207

Attn: Tamara Anderson
Phone: (503) 248-1939
Fax: (503) 248-0223

RJ Lee Group Job No.: CA260920060003
Samples Received: September 26, 2006
Report Date: September 27, 2006
Client Project: Task 0001
Purchase Order No.: 19786.000
Matrix: Solid
Prep/Analysis: EPA 3050B / EPA 7420 (Solids)-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Analyte	Sample Concentration		Minimum Reporting Limit		Analysis Date	Q
				Weight Percent (%)	Parts per Million (PPM)	Weight Percent (%)	Parts per Million (PPM)		
LB19786.000-2001	CA260920060003-001	N/A	Lead	< 0.0128	< 128	0.0128	128	09/26/2006	
LB19786.000-2002	CA260920060003-002	N/A	Lead	< 0.0143	< 143	0.0143	143	09/26/2006	
LB19786.000-2003	CA260920060003-003	N/A	Lead	< 0.0102	< 102	0.0102	102	09/26/2006	
LB19786.000-2004	CA260920060003-004	N/A	Lead	< 0.00725	< 72.5	0.00725	72.5	09/26/2006	
LB19786.000-2005	CA260920060003-005	N/A	Lead	0.0132	132	0.0132	132	09/26/2006	
LB19786.000-2006	CA260920060003-006	N/A	Lead	3.35	33500	0.0134	134	09/26/2006	
LB19786.000-2007	CA260920060003-007	N/A	Lead	< 0.0217	< 217	0.0217	217	09/26/2006	
LB19786.000-2008	CA260920060003-008	N/A	Lead	0.0127	127	0.00479	47.9	09/26/2006	
LB19786.000-2009	CA260920060003-009	N/A	Lead	16.5	165000	0.00490	49.0	09/26/2006	
LB19786.000-2010	CA260920060003-010	N/A	Lead	< 0.0105	< 105	0.0105	105	09/26/2006	
LB19786.000-2011	CA260920060003-011	N/A	Lead	< 0.00844	< 84.4	0.00844	84.4	09/26/2006	
LB19786.000-2012	CA260920060003-012	N/A	Lead	14.1	141000	0.00862	86.2	09/26/2006	
LB19786.000-2013	CA260920060003-013	N/A	Lead	0.319	3190	0.00518	51.8	09/26/2006	
LB19786.000-2014	CA260920060003-014	N/A	Lead	0.0102	102	0.00984	98.4	09/26/2006	
LB19786.000-2015	CA260920060003-015	N/A	Lead	0.152	1520	0.00433	43.3	09/26/2006	
LB19786.000-2016	CA260920060003-016	N/A	Lead	0.454	4540	0.00527	52.7	09/26/2006	
LB19786.000-2017	CA260920060003-017	N/A	Lead	0.0226	226	0.00845	84.5	09/26/2006	
LB19786.000-2018	CA260920060003-018	N/A	Lead	< 0.0128	< 128	0.0128	128	09/26/2006	
LB19786.000-2019	CA260920060003-019	N/A	Lead	0.0510	510	0.0106	106	09/26/2006	
LB19786.000-2020	CA260920060003-020	N/A	Lead	11.0	110000	0.0107	107	09/26/2006	

Authorized Signature


☐ Lykourgos Iordanidis, Technical Manager
☒ Philip Grindle, Laboratory Supervisor
☐ Stephen A. Brown, Manager



RJ LeeGroup, Inc.

350 Hochberg Road, Monroeville, PA 15146

Tel: (724) 325-1776 | Fax: (724) 733-1799

LABORATORY REPORT

PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239-4207

Attn: Tamara Anderson
Phone: (503) 248-1939
Fax: (503) 248-0223

RJ Lee Group Job No.: CA260920060003
Samples Received: September 26, 2006
Report Date: September 27, 2006
Client Project: Task 0001
Purchase Order No.: 19786.000
Matrix: Solid
Prep / Analysis: EPA 3050B / EPA 7420 (Solids)-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Analyte	Sample Concentration		Minimum Reporting Limit		Analysis Date	Q
				Weight Percent (%)	Parts per Million (PPM)	Weight Percent (%)	Parts per Million (PPM)		

Analyst Comments:

Report Qualifiers (Q):

H = Holding times for preparation or analysis exceeded

P = NELAC* analyte certification pending

N = Analyte not NELAC* certified

*NELAC-National Environmental Laboratory Accreditation Conference

E = Value above highest calibration standard but below LDR (Linear Dynamic Range)

J = Value below lowest calibration standard but above MDL (Method Detection Limit)

L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits

B = Analyte detected in the associated Method Blank

S = Spike Recovery outside accepted recovery limits

R = RPD (relative percent difference) outside accepted recovery limits

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025 guidelines, and holds limited scopes of accreditation under AIHA Lab ID 100364, NY ELAP Lab Code 10884, EPA Lab Code PA00162, CA ELAP Certificate 1970, PA DEP Lab ID 02-00396, VA DCLS Lab ID 00297, and LA DEQ Agency Interest 94775. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Quality Control data is available upon request.

Authorized Signature

☐ Lykourgos Iordanidis, Technical Manager

☒ Phillip Grindle, Laboratory Supervisor

☐ Stephen A. Brown, Manager



TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 19786.000 Task 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: September 25, 2006

PBS Engineering and Environmental
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 503.248.0223

Tamara Anderson
Name
Tamara Anderson 9-25-06
Authorized Signature Date

RECEIVER

Date Received: 09/26/06

Company: R.J. Lee Group
Address: 350 Hochberg Road
Monroeville, PA 15146
(412) 325-1776

Jonathan Swope
Name
[Signature] 09/26 @ 10:45
Authorized Signature Date

Sender's ID No.

Brief Description

Receiver's ID No.

LB19786.000-2001

LB19786.000-2002

LB19786.000-2003

LB19786.000-2004

LB19786.000-2005

LB19786.000-2006

LB19786.000-2007

LB19786.000-2008

LB19786.000-2009

LB19786.000-2010

LB19786.000-2011

LB19786.000-2012

LB19786.000-2013

LB19786.000-2014

LB19786.000-2015

LB19786.000-2016

LB19786.000-2017

LB19786.000-2018

LB19786.000-2019



TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

LB19786.000-2020

ANALYSIS REQUESTED:

- LEAD: ☒ Paint
☐ Wipe
☐ Soil/Misc.
☐ Air
☐ TCLP

Please analyze the enclosed 20 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

24 Hour

SPECIAL INSTRUCTIONS:

FBK

NOTE

1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

LEGEND

- ASBESTOS-CONTAINING PIPE INSULATION
- ▨ ASBESTOS-CONTAINING VINYL FLOOR TILE / NON-ASBESTOS MASTIC

ASBESTOS SAMPLE SYMBOLS

007 — DRAWING REFERENCE TO BULK SAMPLE FIELD CODE, SEE INVENTORY OF SAMPLES

— MATERIAL SYMBOL

NOT TESTED	NEGATIVE	POSITIVE	
	-	+	
○	⊖	⊕	MECHANICAL INSULATION
□	≡	■	SURFACING MATERIAL
◇	⬇	⬆	MISCELLANEOUS MATERIAL

INVENTORY OF ASBESTOS SAMPLES

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
101	19786.000-101	(-/-)	VINYL FLOOR TILE/MASTIC (01)
102	19786.000-102	(-)	MAG PIPE INSULATION
103	19786.000-103	(+/-)	VINYL FLOOR TILE/MASTIC (03)
104	19786.000-104	(-)	SHEET FLOOR COVERING (01)
105	19786.000-105	(-)	SHEET FLOOR COVERING (02)
106	19786.000-106	(-)	SHEET FLOOR COVERING (03)
107	19786.000-107	(-)	SHEET FLOOR COVERING (04)
108	19786.000-108	(-)	MASTIC
109	19786.000-109	(-)	LAY-IN CEILING TILE (01)
110	19786.000-110	(-)	WALL AND CEILING PLASTER (01)
111	19786.000-111	(-)	WALL AND CEILING PLASTER (01)
112	19786.000-112	(-)	WALL AND CEILING PLASTER (02)
113	19786.000-113	(-)	WALL AND CEILING PLASTER (02)
114	19786.000-114	(-)	GYPSUM WALLBOARD/JOINT COMPOUND
115	19786.000-115	(-)	GYPSUM WALLBOARD/JOINT COMPOUND

LEAD SAMPLE SYMBOLS

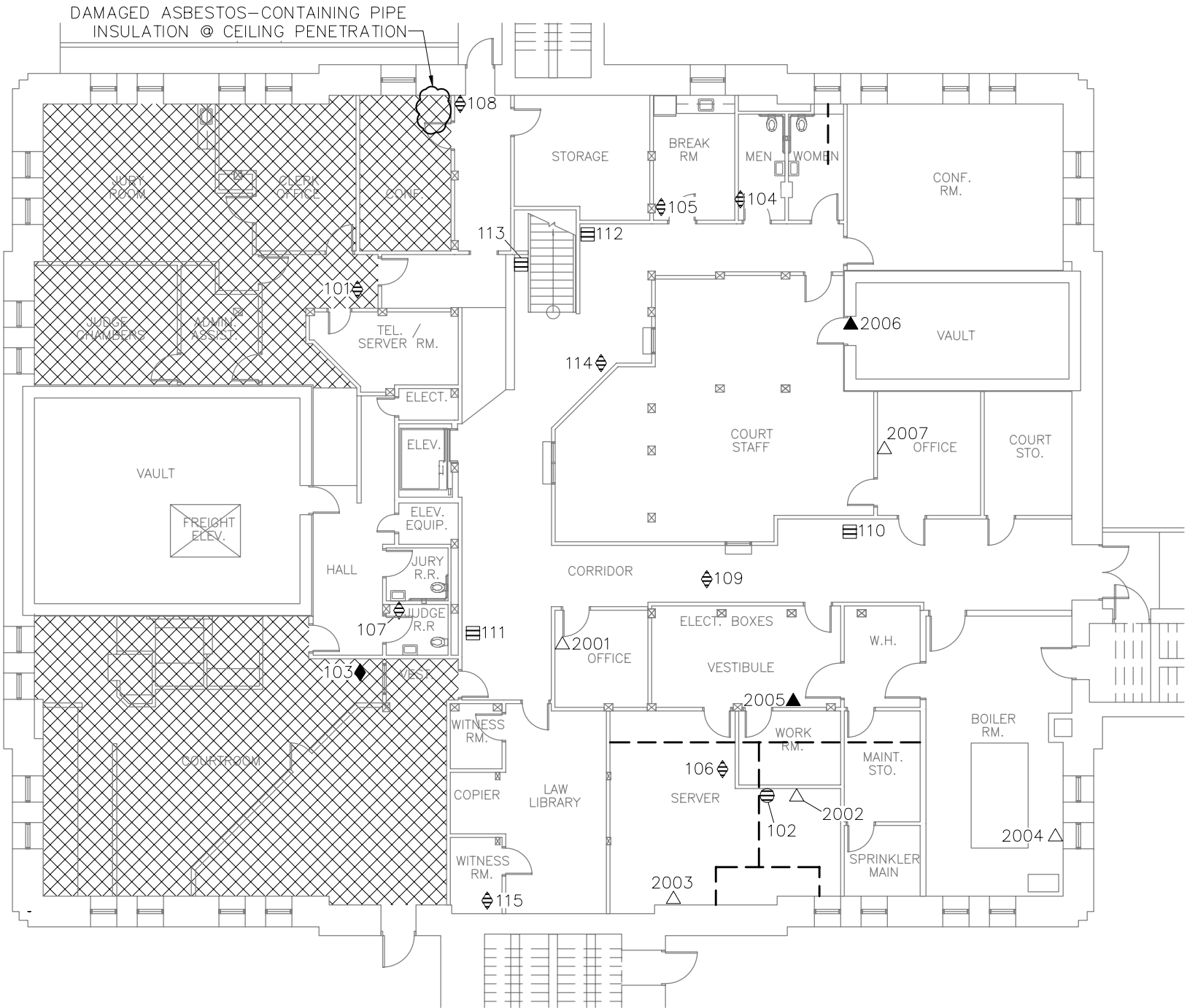
0007 — DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE, SEE INVENTORY OF SAMPLES

— MATERIAL SYMBOL

- ▲ LEAD DETECTED.
- △ BELOW THE LIMIT OF DETECTION.

INVENTORY OF AA PAINT CHIP LEAD SAMPLES

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL DESCRIPTION
2001	19786.000-2001	<128 ppm	WALL; GYPSUM; OFF WHITE; GOOD
2002	19786.000-2002	<143 ppm	WALL; GYPSUM; CREAM; GOOD
2003	19786.000-2003	<102 ppm	WALL; BRICK; CREAM; GOOD
2004	19786.000-2004	<72.5 ppm	WALL; BRICK; WHITE; POOR
2005	19786.000-2005	132 ppm	COLUMN; WOOD; GREEN; FAIR
2006	19786.000-2006	33,500 ppm	VAULT; DOOR; METAL; YELLOW; GOOD
2007	19786.000-2007	<217 ppm	WALL; GYPSUM; OFF WHITE; GOOD



PBS

ENGINEERING AND ENVIRONMENTAL

4412 SW CORBETT AVE
PORTLAND, OR 97239
PHONE: 503.248.1939
FAX: 503.248.0223

www.pbsenv.com

ASBESTOS AND LEAD PAINT SURVEY

CLATSOP COUNTY COURTHOUSE
ASTORIA, OREGON

BASEMENT

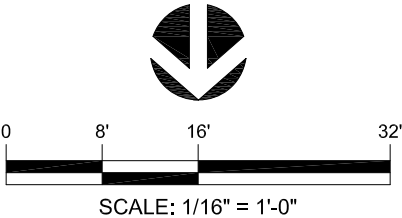
PLAN

PROJECT: 19786.001

DATE: SEPTEMBER 2006

FIGURE:

HM-1



NOTE

1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

LEGEND

- ∅ VERTICAL PIPE RUN WITH ASBESTOS-CONTAINING PIPE INSULATION
- +++++ GLUED-ON WALL TILE CONTAINING LESS THAN 1% ASBESTOS / NON-ASBESTOS BROWN MASTIC
- ▨ ASBESTOS-CONTAINING VINYL FLOOR TILE / NON-ASBESTOS MASTIC
- ⌘ GLUED-ON CEILING TILE CONTAINING LESS THAN 1% ASBESTOS / NON-ASBESTOS BROWN MASTIC

ASBESTOS SAMPLE SYMBOLS

- ⊕007 DRAWING REFERENCE TO BULK SAMPLE FIELD CODE, SEE INVENTORY OF SAMPLES
- MATERIAL SYMBOL

- | NOT TESTED | NEGATIVE | POSITIVE | |
|------------|----------|----------|------------------------|
| ○ | ⊖ | ⊕ | MECHANICAL INSULATION |
| □ | ▨ | ■ | SURFACING MATERIAL |
| ◇ | ⊕ | ◆ | MISCELLANEOUS MATERIAL |

INVENTORY OF ASBESTOS SAMPLES

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
⊕116	19786.000-116	(-)	SHEET FLOOR COVERING (05)
⊕117	19786.000-117	(-)	SHEET FLOOR COVERING (06)
◆118	19786.000-118	(+/-)	VINYL FLOOR TILE/MASTIC (04)
⊕119	19786.000-119	(-)	SHEET FLOOR COVERING (09)
⊕120	19786.000-120	(-/-)	VINYL FLOOR TILE/MASTIC (06)
⊕121	19786.000-121	(-)	LAY-IN CEILING TILE (02)
⊕122	19786.000-122	(-)	LAY-IN CEILING TILE (03)
⊕123	19786.000-123	(-)	STAPLED-ON CEILING TILE (01)
◆124	19786.000-124	(+/-)	GLUED-ON CEILING TILES (01)
⊕125	19786.000-125	(-/-)	WALL AND CEILING PLASTER (02)
⊕126	19786.000-126	(-/-)	WALL AND CEILING PLASTER (02)
⊕127	19786.000-127	(-)	WALL AND CEILING PLASTER (02)
⊕128	19786.000-128	(-/-)	WALL AND CEILING PLASTER (02)
⊕129	19786.000-129	(-/-)	GYPSUM WALLBOARD/JOINT COMPOUND
⊕130	19786.000-130	(-)	GYPSUM WALLBOARD/JOINT COMPOUND
⊕148	19786.000-148	(-)	SHEET FLOOR COVERING (09)

LEAD SAMPLE SYMBOLS

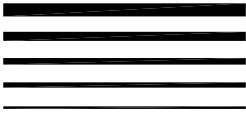
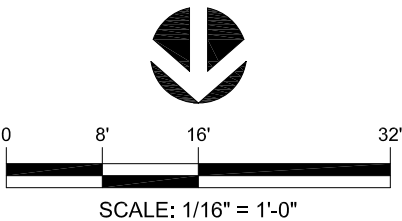
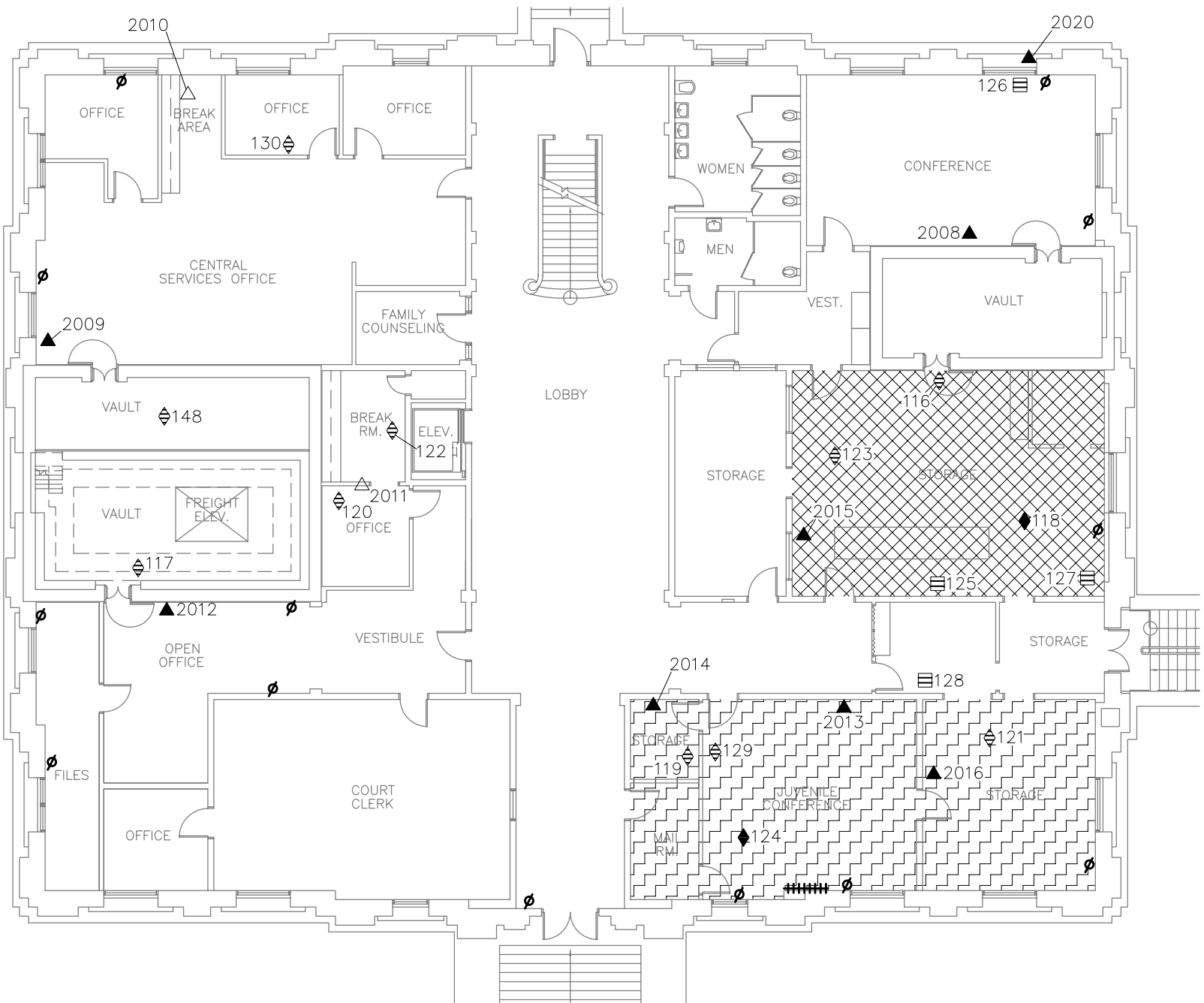
- △0007 DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE, SEE INVENTORY OF SAMPLES
- MATERIAL SYMBOL

▲ LEAD DETECTED.

△ BELOW THE LIMIT OF DETECTION.

INVENTORY OF AA PAINT CHIP LEAD SAMPLES

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL DESCRIPTION
▲2008	19786.000-2008	127 ppm	WALL; PLASTER; WHITE/GREEN; GOOD
▲2009	19786.000-2009	165,000 ppm	WALL; PLASTER; WHITE/TAN; GOOD
△2010	19786.000-2010	<105 ppm	WALL; GYPSUM; WHITE; GOOD
△2011	19786.000-2011	<84.4 ppm	WALL; PLASTER; WHITE/TAN; GOOD
▲2012	19786.000-2012	141,000 ppm	WALL; PLASTER; WHITE/TAN; GOOD
▲2013	19786.000-2013	3190 ppm	WALL; PLASTER; GREEN/TAN; GOOD
▲2014	19786.000-2014	102 ppm	WALL; PLASTER; WHITE; GOOD
▲2015	19786.000-2015	1520 ppm	WALL; PLASTER; GREEN/TAN; GOOD
▲2016	19786.000-2016	4540 ppm	WALL; PLASTER; GREEN/TAN; GOOD
▲2020	19786.000-2020	110,000 ppm	WINDOW FRAME; WOOD; MAROON; GOOD



PBS

ENGINEERING AND ENVIRONMENTAL

4412 SW CORBETT AVE
PORTLAND, OR 97239
PHONE: 503.248.1939
FAX: 503.248.0223
www.pbsenv.com

ASBESTOS AND LEAD PAINT SURVEY

CLATSOP COUNTY COURTHOUSE
ASTORIA, OREGON

FIRST

FLOOR

PROJECT: 19786.001

DATE: SEPTEMBER 2006

FIGURE:

HM-2

NOTE

1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

LEGEND

- |||||

GLUED-ON WALL TILE CONTAINING LESS THAN 1% ASBESTOS /
NON-ASBESTOS BROWN MASTIC
- GLUED-ON CEILING TILE CONTAINING LESS THAN 1% ASBESTOS /
NON-ASBESTOS BROWN MASTIC

ASBESTOS SAMPLE SYMBOLS

- ⬠007

DRAWING REFERENCE TO BULK SAMPLE FIELD
CODE, SEE INVENTORY OF SAMPLES
- MATERIAL SYMBOL

- NOT
TESTED

○

○

○
- NEGATIVE

⊖

⊖

⊖
- POSITIVE

+

●

■

◆
- MECHANICAL INSULATION

SURFACING MATERIAL

MISCELLANEOUS MATERIAL

INVENTORY OF ASBESTOS SAMPLES

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
⬠131	19786.000-131	(-/-)	SHEET FLOOR COVERING (07)
⬠132	19786.000-132	(-/-/-)	SHEET FLOOR COVERING (08)
⬠133	19786.000-133	(-)	LAY-IN CEILING TILE (04)
⬠134	19786.000-134	(-)	LAY-IN CEILING TILE (05)
⬠135	19786.000-135	(-)	LAY-IN CEILING TILE (06)
◆136	19786.000-136	(+/-)	GLUED-ON CEILING TILES (02)
⊖137	19786.000-137	(-)	WALL AND CEILING PLASTER (02)
⊖138	19786.000-138	(-)	WALL AND CEILING PLASTER (02)
⊖139	19786.000-139	(-)	WALL AND CEILING PLASTER (02)
⬠141	19786.000-141	(-/-)	GYPSUM WALLBOARD/Joint COMPOUND
⬠142	19786.000-142	(-/-)	TEXTURED CEILING MATERIAL
⊖143	19786.000-143	(-)	TEXTURED CEILING MATERIAL

LEAD SAMPLE SYMBOLS

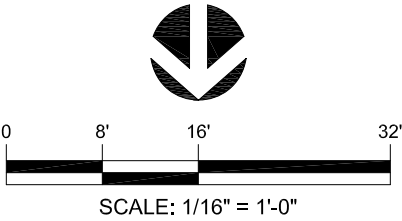
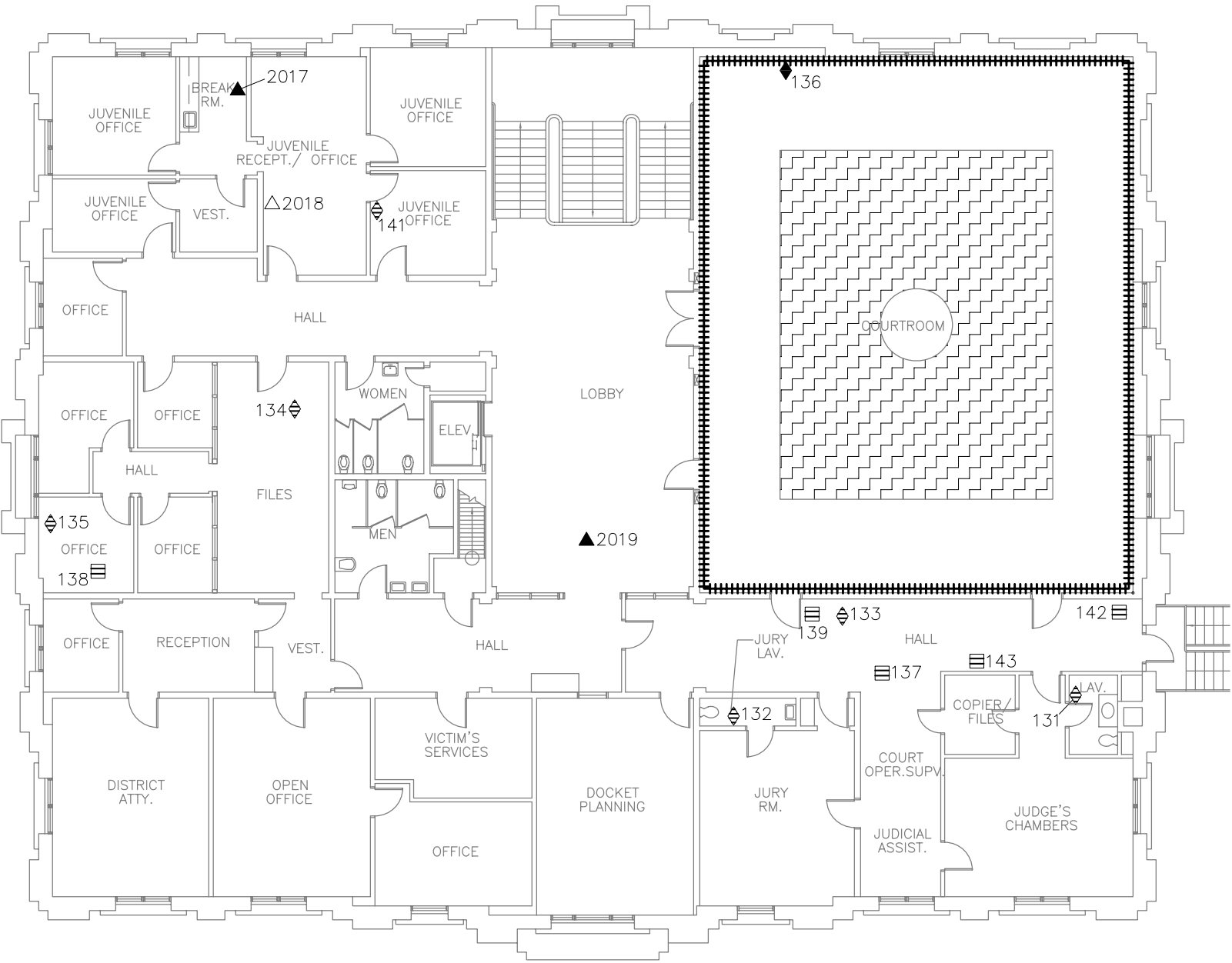
- ⬠0007

DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE,
SEE INVENTORY OF SAMPLES
- MATERIAL SYMBOL

- ▲ LEAD DETECTED.
- △ BELOW THE LIMIT OF DETECTION.

INVENTORY OF AA PAINT CHIP LEAD SAMPLES

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL DESCRIPTION
▲2017	19786.000-2017	226 ppm	WALL; PLASTER; WHITE/GREEN; GOOD
△2018	19786.000-2018	<128 ppm	WALL; WOOD; WHITE/GREEN; GOOD
▲2019	19786.000-2019	510 ppm	CEILING; PLASTER; WHITE/TAN; GOOD



PBS

ENGINEERING AND ENVIRONMENTAL

4412 SW CORBETT AVE
PORTLAND, OR 97239
PHONE: 503.248.1939
FAX: 503.248.0223
www.pbsenv.com

ASBESTOS AND LEAD PAINT SURVEY

CLATSOP COUNTY COURTHOUSE
ASTORIA, OREGON

SECOND

FLOOR

PROJECT: 19786.001

DATE: SEPTEMBER 2006

FIGURE:

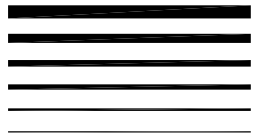
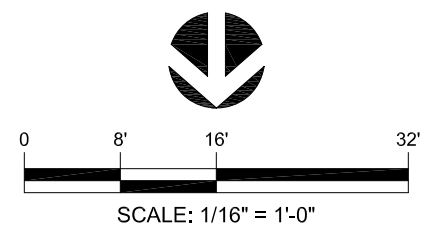
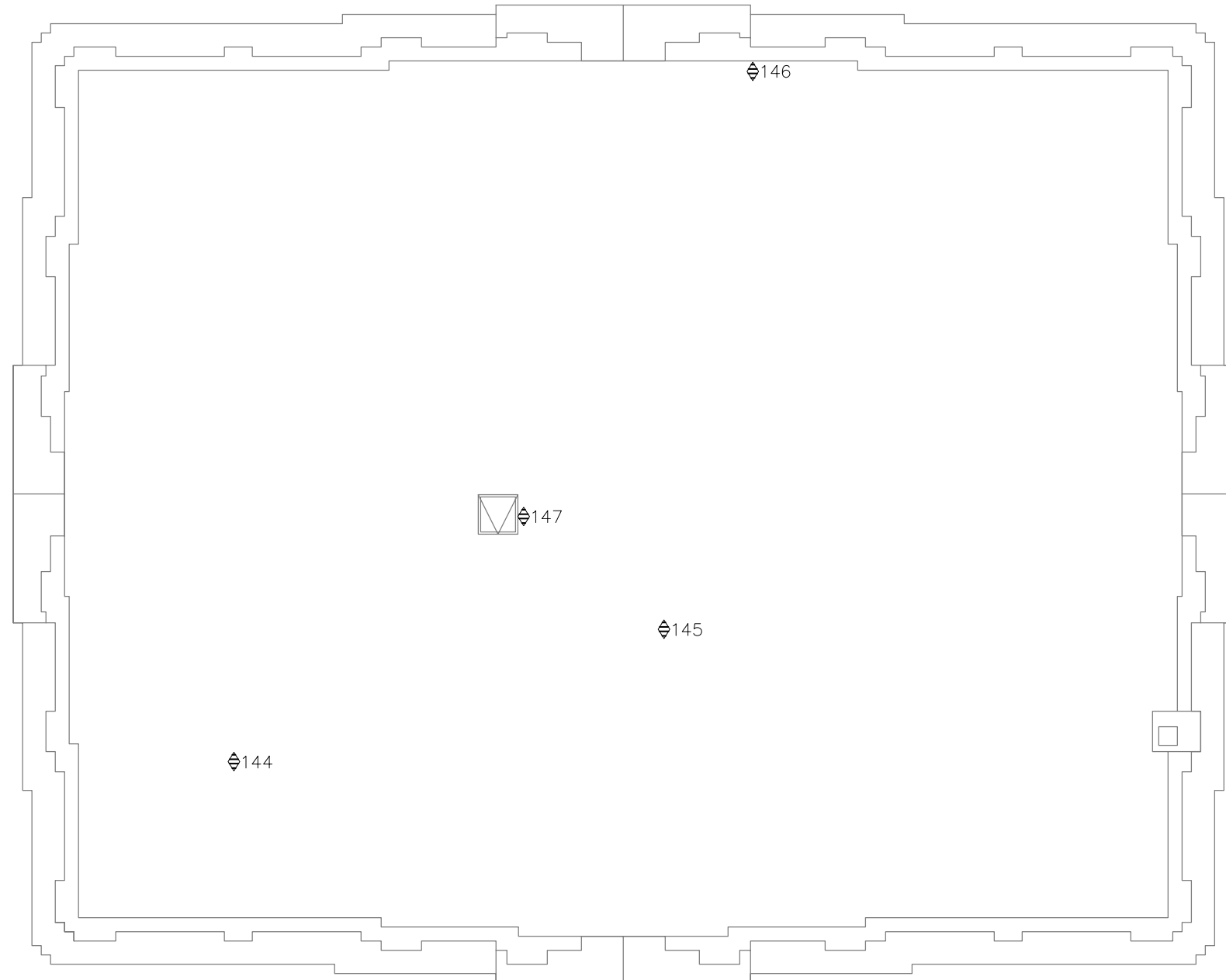
HM-3

1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

007 — DRAWING REFERENCE TO BULK SAMPLE FIELD
CODE, SEE INVENTORY OF SAMPLES
— MATERIAL SYMBOL

NOT TESTED	NEGATIVE	POSITIVE	
○	◐	●	MECHANICAL INSULATION
□	▤	■	SURFACING MATERIAL
◇	◈	◆	MISCELLANEOUS MATERIAL

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
§144	19786.000-144	(-/-)	BUILT-UP ROOFING (01)
§145	19786.000-145	(-/-)	BUILT-UP ROOFING (01)
§146	19786.000-146	(-)	BUILT-UP ROOFING (02)
§147	19786.000-147	(-)	BUILT-UP ROOFING (03)



PBS

4412 SW CORBETT AVE
PORTLAND, OR 97239
PHONE: 503.248.1939
FAX: 503.248.0223

www.pbsenv.com

ASBESTOS AND LEAD PAINT SURVEY

CLATSOP COUNTY COURTHOUSE
ASTORIA, OREGON

ROOF

PLAN

PROJECT:	19786.001
----------	-----------

DATE: SEPTEMBER 2006

FIGURE:

HM-4

THIS IS TO CERTIFY THAT

ROBERT KLECKNER

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

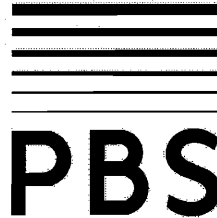
ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 04/06/2006

Course Location: Portland, OR


Certificate: IR-06-1539A



Expiration Date: 04/06/2007

AHERA is the Asbestos Hazard Emergency
Response Act enacting Title II of Toxic Substance
Control Act (TSCA)

For verification of the authenticity of this
certificate contact: PBS Environmental
4412 SW Corbett Avenue, Portland, OR 97239
(503) 248-1939


David Stover, Director of Training

THIS IS TO CERTIFY THAT

ROBERT KLECKNER

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ASBESTOS PROJECT DESIGNER REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 04/07/2006

Course Location: Portland, OR

Certificate: PDR-06-1539A



Expiration Date: 04/07/2007

AHERA is the Asbestos Hazard Emergency
Response Act enacting Title II of Toxic Substance
Control Act (TSCA)

For verification of the authenticity of this
certificate contact: PBS Environmental
4412 SW Corbett Avenue, Portland, OR 97239
(503) 248-1939


David Stover, Director of Training