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December 20, 2006

Mr. Steve Jefferis, Project Manager
Capital Construction Department
King County Housing Authority
625 Andover Park West, Ste. 107
Seattle, WA 98188-3326

RE: Munro Manor, 630 South 152nd Street, Burien, Washington
Hazardous Material Investigation Summary
PBS Project No. 40573.012

Dear Mr. Jefferis:

PBS Engineering and Environmental (PBS) performed a limited hazardous materials investigation of Munro Manor located at 630 South 152nd Street, Burien, Washington to determine the presence of asbestos-containing materials (ACM), PCB-containing components, mercury-containing components and lead-containing paints (LCP). The intent of this letter is to ensure that KCHA is in compliance with the Puget Sound Clean Air Agency and Washington State Department of Labor and Industries' requirement that a "good faith" inspection for ACM be performed prior to renovation or demolition activities

Munro Manor is a three-story structure consisting of sixty (60) residential units. Interior finishes consist of gypsum wallboard wall and ceilings. The community room ceiling is finished with 2' x 4' suspended ceiling tiles. Floors are constructed of concrete covered with vinyl floor tile, sheet flooring and carpet. The exterior is constructed of brick with stucco soffits and fascia at the unit decks. The building has a built-up flat roof coated with silver paint. Heat is supplied to all areas of the building by electric baseboard heaters. Hot water is supplied to residential units and public areas by individual hot water heaters for each functional space.

FINDINGS

Asbestos-Containing Materials (ACMs)

While PBS has endeavored to identify all ACM, unidentified ACM may exist in concealed or inaccessible locations. Inaccessible areas are defined as those requiring selective demolition, fall protection or confined-space entry protocols to gain access. PBS recommends that concealed components and materials be investigated prior to impact.

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Suspect materials were sampled by AHERA-accredited Inspector, Ernest Edwards (Cert #1020842 exp. 02/22/07) on December 7-9, 2006. Samples were assigned unique identification numbers and delivered to Seattle Asbestos Test, LLC under chain-of-custody protocols. Samples were analyzed according to EPA Method 600R-93/116 using Polarized Light Microscopy (PLM), which has a reliable limit of quantification of 1% asbestos by volume. Materials found to contain asbestos in concentrations greater than 1% (unless otherwise noted) as determined by PLM are outlined below:

- Joint compound associated with the gypsum wallboard system throughout;
- 12" Beige vinyl floor tile and associated mastic in unit kitchens and Community Room;
- Brown pebbled sheet flooring in unit bathrooms throughout;
- Black sink undercoating in the Community Room and residential units;
- Silver paint on non-asbestos roofing;
- Fire doors at stairway entrances and end of hallway doors throughout;
- 2' x 4' Fissured suspended ceiling tile in Community Room;
- Black mastic associated with non-slip deck coating on balconies throughout.

Asbestos-containing joint compound associated with non-asbestos gypsum wallboard (GWB) assemblies were found throughout the building in the gypsum wallboard systems. The presence of asbestos in the joint compound requires personnel impacting the material to adhere to regulatory requirements outlined in WAC 296-62-17712(2) and training as outlined in WAC 296-62-07722(5) and WAC 296-62-0728. Personal protective equipment and proper work practices are required pending the completion of a negative exposure assessment. Such an assessment may include air monitoring of workers' breathing zones. Refer to WISHA Regional Directive 23.30 for additional information.

The top layer of roofing and associated silver paint were sampled in representative locations. However, the depth of the insulation (in excess of 8 inches) prevented PBS from inspecting the vapor barrier that is typically installed over the roof sheathing.

While PBS has presumed the presence of and endeavored to identify the ACMs that may be found in the concealed locations, additional unidentified ACMs may exist. Concealed ACMs that may exist at Munro Manor include, but are not limited to the following:

Pipe/fitting insulation inside wall cavities;
Vapor barrier under roof insulation;
Vapor barrier inside walls;
Adhesives/mastics in ceiling spaces and in wall layers.

Lead Containing Paint (LCP) and Lead-Wrapped Vent Stacks

PBS collected seven (7) representative paint coatings from various interior and exterior building component surfaces. Samples were analyzed and laboratory results were between <0.0041% and 2.4000% lead. Three (3) of the seven (7) samples collected tested positive for lead. Paint samples were analyzed using Atomic Absorption Lead Analysis. For locations and results of paint sampling see attachments.

Thirty-three (33) lead-wrapped vent stacks were identified on the roof.

PCBs

PBS did not inspect fluorescent light fixture ballasts throughout the building. PBS was informed by the KCHA Representative that all of the lights except for the under-counter lights in the units are new with non-PCB-containing ballasts. The under-counter light fixtures are presumed to have PCB-containing ballasts.

Mercury-Containing Components

Fluorescent lamps are not scheduled to be impacted by this project. All light lamps (tubes) are presumed to contain mercury vapors.

RECOMMENDATIONS

Asbestos-Containing Materials (ACMs)

The ACMs identified should be removed by properly trained and protected personnel using appropriate work practices and engineering controls prior to impact by demolition or renovation. A qualified asbestos abatement contractor licensed in the State of Washington should be employed to remove such ACMs according to applicable local, state and federal regulations.

Caution should be exercised during renovation/demolition, as concealed ACMs may exist in various locations. Demolition activities should be performed by personnel having received a minimum of the WISHA two-hour asbestos awareness training. Other work that may impact asbestos should be performed by personnel having received proper training and utilizing proper worker protection according to WISHA standards. Work impacting asbestos is subject to the requirements of various regulations, including, but not limited to: 40 CFR Part 61, NESHAPS; 40 CFR Part 763, AHERA; WAC 296-62 and 296-65; and Puget Sound Clean Air Agency Regulation III, Article 4, Asbestos.

It is recommended that the King County Housing Authority include contract language specifically addressing the proper removal and disposal of ACMs. It is also recommended that contract language governing demolition include references to asbestos-related regulations. Workers potentially impacting ACMs are advised to confirm training requirements of WISHA and to ensure that proper worker protection and work practices are implemented.

Penetrations are scheduled to be made through the roof as part of this scope of work. The suspect vapor barrier installed over the roof sheathing has not been sampled. PBS recommends that the vapor barrier be tested for asbestos prior to being impacted by the Contractor.

Lead Containing Paint (LCP) and Lead-Wrapped Vent Stacks

Painted coatings containing detectable concentrations of lead are considered LCP. The presence of LCP requires construction activities to be performed according to Washington Labor and Industries regulations for Lead in Construction (WAC 296-62-155). Workers impacting LCP should be provided the proper personal protective equipment and use proper work methods to limit occupational and environmental exposure to lead until an initial exposure assessment has been conducted. Based on lead concentrations detected to date, it is not anticipated that demolition debris will require disposal as "dangerous" per WAC 173-303, Dangerous Waste Regulations. Waste characterization should be performed to confirm disposal

requirements.

PBS observed thirty-three (33) lead-covered roof vent stacks during this investigation. These vent stacks should be removed and recycled or disposed of as hazardous waste.

PCBs

KCHA representative states that all of the ceiling and wall-mounted fluorescent lights are new and that the ballast does not contain PCB's. The under-counter fluorescent light fixtures in the residential units are older and the ballasts are presumed to contain PCB's. The KCHA representative also stated that fluorescent light fixtures are not scheduled to be impacted as part of the scope of work. Ballasts that are not labeled "No PCB's" are assumed to be PCB-containing. PBS recommends that if the fluorescent light fixtures are impacted, that the ballasts be inspected prior to renovation/demolition. All ballast not labeled "No PCBs" that are impacted as part of this scope of work should be, properly removed, stored, transported and disposed of according to applicable regulations.

Mercury-Containing Components

PBS recommends that existing fluorescent lamps (tubes) be handled and/or recycled in accordance with applicable regulations during replacement or renovation/demolition activities. Procedures required include proper handling, labeling, storage and transport of tubes prior to recycling/disposal at a properly licensed facility. Clean up of any broken tubes should include proper worker protection and disposal.

Report prepared by:

Ernest Edwards
AHERA Building Inspector
(Cert#1020842 exp: 2/22/07)

Report reviewed by:

Mark Hiley
Project Manager

Attachments:
PLM Sample Inventory
PLM Laboratory Reports
PLM Chain-of-Custody
Lead Sample Inventory
Lead Laboratory Reports
Lead Chain-of-Custody
PBS Inspector Certification

PLM SAMPLE INVENTORY

PBS SAMPLE #	MATERIAL TYPE	LOCATION	LAB DESCRIPTION	LAB RESULT	LAB
40573.012 -001	Beige Patterned Sheet Flooring	Unit 217 Kitchen	Layer 1: Beige sheet vinyl	NAD	SAT
	Backing		Layer 2: Gray fibrous material with mastic	NAD	SAT
	Backing		Layer 3: Gray fibrous material with mastic	55% Chrysotile	SAT
40573.012 -002	Brown Covebase	Unit 221 Bathroom	Layer 1: Brown rubbery material	NAD	SAT
	Brown Mastic		Layer 2: Brown mastic	NAD	SAT
40573.012 -003	Brown Covebase	Unit 319 Bathroom	Layer 1: Brown rubbery material	NAD	SAT
	Brown Mastic		Layer 2: Brown mastic	NAD	SAT
40573.012 -004	Brown Covebase	Unit 118	Layer 1: Brown rubbery material	NAD	SAT
	Brown Mastic		Layer 2: Brown mastic	NAD	SAT
40573.012 -005	Deck Coating	Unit 201 Deck Floor	Layer 1: Black brittle material with paint	3% Chrysotile	SAT
40573.012 -006	Deck Coating	Unit 213 Deck Floor	Layer 1: Black brittle material with paint	3% Chrysotile	SAT
40573.012 -007	Joint Compound	Unit 112 Living Room	Layer 1: Tan powdery material with paint	2% Chrysotile	SAT
	Gypsum Wallboard		Layer 2: White chalky material with paper	NAD	SAT
40573.012 -008	Joint Compound	Unit 219 Closet	Layer 1: Tan powdery material with paint	2% Chrysotile	SAT
	Gypsum Wallboard		Layer 2: White chalky material with paper	NAD	SAT
40573.012 -009	Joint Compound	Unit 216 Bedroom Closet	Layer 1: Tan powdery material with paint	2% Chrysotile	SAT
	Gypsum Wallboard		Layer 2: White chalky material with paper	NAD	SAT
40573.012 -010	Joint Compound	Unit 312 Living Room	Layer 1: Tan powdery material with paint	2% Chrysotile	SAT
	Gypsum Wallboard		Layer 2: White chalky material with paper	NAD	SAT
40573.012 -011	12" Beige Floor Tile	Unit 114 Kitchen	Layer 1: Beige tile	2% Chrysotile	SAT
	Mastic		Layer 2: Black mastic	3% Chrysotile	SAT
40573.012 -012	12" Beige Floor Tile	Unit 115 Kitchen	Layer 1: Beige tile	2% Chrysotile	SAT
	Mastic		Layer 2: Black mastic	3% Chrysotile	SAT
40573.012 -013	12" Beige Floor Tile	Unit 317 Kitchen	Layer 1: Beige tile	2% Chrysotile	SAT
	Mastic		Layer 2: Black mastic	4% Chrysotile	SAT

40573.012 -014	Ceramic Tile Mastic	Unit 313 Restroom	Layer 1: Brown mastic	NAD	SAT
40573.012 -015	Ceramic Tile Mastic	Unit Restroom	Layer 1: Brown mastic	NAD	SAT
40573.012 -016	Black Sink Undercoating	Unit 112 Kitchen	Layer 1: Black asphaltic material	3% Chrysotile	SAT
40573.012 -017	Black Sink Undercoating	Unit 221 Kitchen	Layer 1: Black asphaltic material	2% Chrysotile	SAT
40573.012 -018	Black Sink Undercoating	Unit 119 Kitchen	Layer 1: Black asphaltic material	3% Chrysotile	SAT
40573.012 -019	Tan Covebase Brown Mastic	Unit 219 Kitchen	Layer 1: Tan rubbery material Layer 2: Brown mastic	NAD NAD	SAT
40573.012 -020	Tan Covebase Brown Mastic	Unit 318 Kitchen	Layer 1: Tan rubbery material Layer 2: Brown mastic	NAD NAD	SAT
40573.012 -021	Door Frame Caulking	Unit 112 Slider	Layer 1: Gray elastic material	NAD	SAT
40573.012 -022	Paint/Wall Coating	Unit 116 Bedroom	Layer 1: Brown paper with paint	NAD	SAT
40573.012 -023	Paint/Wall Coating	Unit 316 Bathroom	Layer 1: Brown paper with paint	NAD	SAT
40573.012 -024	Brown Pebbled Sheet Floor	Unit 114 Bathroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic	NAD 55% Chrysotile	SAT
40573.012 -025	Yellow Vinyl Sheet Flooring Backing Brown Sheet Vinyl Flooring Backing	Unit 315 Bathroom	Layer 1: Yellow sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Brown sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.012 -026	Joint Compound Gypsum Wallboard	Unit 19 Closet	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -027	Joint Compound Gypsum Wallboard	Unit 211 Closet Ceiling	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -028	Joint Compound Gypsum Wallboard	Unit 210 Closet Ceiling	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -029	Joint Compound Gypsum Wallboard	Unit 106 Kitchen	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT

40573.012 -030	Gypsum Wallboard	Unit 18 Living Room - Field	Layer 1: White chalky material with paper and paint	NAD	SAT
40573.012 -031	Lightweight Concrete Flooring	Unit 200 Kitchen	Layer 1: Gray sandy brittle material	NAD	SAT
40573.012 -032	Lightweight Concrete Flooring	Unit 203 Living Room	Layer 1: Gray sandy brittle material	NAD	SAT
40573.012 -033	12" Beige Floor Tile (Type 2) Yellow Mastic	Unit 200 Kitchen	Layer 1: Beige tile Layer 2: Yellow mastic	NAD NAD	SAT
40573.012 -034	Backsplash Mastic Joint Compound	Unit 203 Kitchen	Layer 1: Yellow mastic Layer 2: White powdery material with paint	NAD 2% Chrysotile	SAT
40573.012 -035	12" Beige Floor Tile (Type 1) Black Mastic	Unit 15 Kitchen	Layer 1: Beige tile Layer 2: Black mastic	2% Chrysotile 3% Chrysotile	SAT
40573.012 -036	Black Sink Undercoating	Unit 111 Kitchen	Layer 1: Black brittle material	4% Chrysotile	SAT
40573.012 -037	Fire Door Insulation	2nd Floor South Wing	Layer 1: White powdery material	15% Chrysotile	SAT
40573.012 -038	Paint/Wall Coating	Unit 207 Closet	Layer 1: Tan paper with paint	NAD	SAT
40573.012 -039	Paint/Wall Coating Wall Coating	Unit 21 Living Room Wall	Layer 1: Tan paper with paint	NAD	SAT
40573.012 -040	Paint	Unit 20 Living Room Wall	Layer 1: Tan paper with paint	NAD	SAT
40573.012 -041	Paint/Wall Coating	Unit 107 Living Room Wall	Layer 1: Tan paper with paint	NAD	SAT
40573.012 -042	Brown Covebase Mastic	Unit 104 Bathroom	Layer 1: Brown rubbery material Layer 2: Brown mastic	NAD NAD	SAT
40573.012 -043	Tan Covebase Mastic	Unit 12 Kitchen	Layer 1: Tan rubbery material Layer 2: Brown mastic	NAD NAD	SAT
40573.012 -044	Brown Pebbled Sheet Flooring Backing	Unit 14 Bathroom	Layer 1: Brown sheet vinyl Layer 2: Green fibrous material with mastic	NAD NAD	SAT
40573.012 -045	Brown Pebbled Sheet Flooring Backing	Unit 207 Bathroom	Layer 1: Brown sheet vinyl Layer 2: Green fibrous material with mastic	NAD NAD	SAT
40573.012 -046	Ceramic Tile Mastic	Unit 17 Bathroom	Layer 1: Yellow mastic	NAD	SAT

40573.012 -047	Beige Sheet Flooring Backing	Unit 200 Bathroom	Layer 1: Tan sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.012 -048	Sliding Door Frame Sealant	Unit 16 Door to Patio	Layer 1: Black elastic material	NAD	SAT
40573.012 -049	Stucco	Unit 102 Deck	Layer 1: Gray sandy brittle material	NAD	SAT
40573.012 -050	Stucco	Unit 104 Deck	Layer 1: Gray sandy brittle material	NAD	SAT
40573.012 -051	Stucco	Unit 106 Deck	Layer 1: Gray sandy brittle material	NAD	SAT
40573.012 -052	2x4 Fissured Ceiling Tile (Type 1)	1st Floor Office Foyer	Layer 1: Gray compressed fibrous material with paint	NAD	SAT
40573.012 -053	2x4 Fissured Ceiling Tile (Type 1)	1st Floor Office Foyer	Layer 1: Gray compressed fibrous material with paint	NAD	SAT
40573.012 -054	2x4 Fissured Ceiling Tile (Type 2)	Community Room	Layer 1: Dark gray compressed fibrous material with paint	2% Chrysotile	SAT
40573.012 -055	2x4 Fissured Ceiling Tile (Type 2)	Community Room	Layer 1: Dark gray compressed fibrous material with paint	2% Chrysotile	SAT
40573.012 -056	Joint Compound Gypsum Wallboard	1st Floor Lobby	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -057	Joint Compound Gypsum Wallboard	Basement South Corridor	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -058	Joint Compound Gypsum Wallboard	3rd Floor Corridor North	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD	SAT
40573.012 -059	Brown Covebase Mastic Gypsum Wallboard	1st Floor Lobby	Layer 1: Brown rubbery material Layer 2: Brown mastic Layer 3: White chalky material with paper and paint	NAD NAD NAD	SAT
40573.012 -060	Brown Covebase Mastic	3srd Floor Corridor North	Layer 1: Brown rubbery material Layer 2: Off-white mastic	NAD NAD	SAT
40573.012 -061	Brown Covebase	2nd Floor Corridor South	Layer 1: Brown rubbery material	NAD	SAT

	Mastic		Layer 2: Off-white mastic	NAD	
40573.012 -062	Black Sink Undercoat	Community Room	Layer 1: Black brittle material	4% Chrysotile	SAT
40573.012 -063	Carpet Mastic	Elevator	Layer 1: Yellow mastic with paint	NAD	SAT
40573.012 -064	12" Beige Floor Tile Mastic	Community Room	Layer 1: Beige tile Layer 2: Brown mastic	2% Chrysotile 4% Chrysotile	SAT
40573.012 -065	Brown Covebase Mastic	1st Floor Corridor South	Layer 1: Brown rubbery material Layer 2: Off-white mastic	NAD NAD	SAT
40573.012 -066	Deck Coating	Unit 203	Layer 1: Gray soft material	NAD	SAT
40573.012 -067	Tan Pebbled Sheet Flooring Backing	1st Floor Womens Restroom	Layer 1: Tan sheet vinyl Layer 2: Green fibrous material with mastic	NAD NAD	SAT
40573.012 -068	Paint/Wall coating	1st Floor Janitors Closet	Layer 1: Tan paper with paint	NAD	SAT
40573.012 -069	Door Frame Seal	Community Room Exterior	Layer 1: Black soft material	NAD	SAT
40573.012 -070	Ceramic Tile Mastic Joint Compound	1st Floor Mens Restroom	Layer 1: Yellow mastic Layer 2: White powdery material with paint	NAD 2% Chrysotile	SAT
40573.012 -071	Backsplash Mastic Joint Compound	2nd Floor Laundry Room	Layer 1: Yellow mastic Layer 2: White powdery material with paint	NAD 2% Chrysotile	SAT
40573.012 -072	Tan Covebase Brown Mastic	Community Room	Layer 1: Brown rubbery material Layer 2: Brown mastic	NAD NAD	SAT
40573.012 -073	Silver Paint Built-up Roofing Silver Paint Built-up Roofing Silver Paint Built-up Roofing	Elevator Roof	Layer 1: Silver paint Layer 2: Black asphaltic material Layer 3: Silver paint Layer 4: Black asphaltic material Layer 5: Silver paint Layer 6: Multi-layer black asphaltic material	2% Chrysotile NAD 2% Chrysotile NAD 2% Chrysotile NAD	SAT
40573.012 -074	Silver Paint Asphalt Built-up Roofing Gypsum Wallboard	Upper Roof - Center	Layer 1: Silver paint Layer 2: Black asphaltic material Layer 3: Black asphaltic fibrous material Layer 4: White chalky material with paper	2% Chrysotile NAD NAD NAD	SAT

40573.012 -075	Silver Paint	Lower Roof - Center	Layer 1: Silver paint	2% Chrysotile	SAT
	Built-up Roofing		Layer 2: Black asphaltic material	NAD	
	Built-up Roofing		Layer 3: Black asphaltic fibrous material	NAD	
	Gypsum Wallboard		Layer 4: White chalky material with paper	NAD	
40573.012 -076	Silver Paint	Lower Roof - Lanyard tie-off Area	Layer 1: Silver paint	2% Chrysotile	SAT
	Built-up Roofing		Layer 2: Black asphaltic material	NAD	
	Silver Paint		Layer 3: Silver paint	2% Chrysotile	
	Built-up Roofing		Layer 4: Black asphaltic material	NAD	

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036, 425.673.9850

NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA - Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621489
Date Received: 12/08/2006
Samples Received: 25
Date Analyzed: 12/08/2006
Samples Analyzed: 25
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006207960	40573.012-001	1	Beige sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	70	Cellulose
		3	Gray fibrous material with mastic	**55**	**Chrysotile**	Binder/filler, Mastic/binder	25	Cellulose
2006207961	40573.012-002	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	2	Cellulose
2006207962	40573.012-003	1	Brown rubbery material		**None detected**	Rubber/binder	3	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	2	Cellulose
2006207963	40573.012-004	1	Brown rubbery material		**None detected**	Rubber/binder	3	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	3	Cellulose
2006207964	40573.012-005	1	Black brittle material with paint	**3**	**Chrysotile**	Asphalt/binder, Paint	4	Cellulose
2006207965	40573.012-006	1	Black brittle material with paint	**3**	**Chrysotile**	Asphalt/binder, Paint	3	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006207966	40573.012-007	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006207967	40573.012-008	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	20	Cellulose
2006207968	40573.012-009	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	3	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006207969	40573.012-010	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	27	Cellulose
2006207970	40573.012-011	1	Beige tile	2	**Chrysotile**	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	**Chrysotile**	Mastic/binder	4	Cellulose
2006207971	40573.012-012	1	Beige tile	2	**Chrysotile**	Vinyl/binder, Mineral grains	2	Cellulose

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Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
		2	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
2006207972	40573.012-013	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black mastic	4	Chrysotile	Mastic/binder	4	Cellulose
2006207973	40573.012-014	1	Brown mastic		None detected	Mastic/binder, Filler	2	Cellulose
2006207974	40573.012-015	1	Brown mastic		None detected	Mastic/binder, Filler	3	Cellulose
2006207975	40573.012-016	1	Black asphaltic material	3	Chrysotile	Asphalt/binder, Sand	3	Cellulose
2006207976	40573.012-017	1	Black asphaltic material	2	Chrysotile	Asphalt/binder, Sand	4	Cellulose
2006207977	40573.012-018	1	Black asphaltic material	3	Chrysotile	Asphalt/binder, Sand	2	Cellulose
2006207978	40573.012-019	1	Tan rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Brown mastic		None detected	Mastic/binder	2	Talc fibers
2006207979	40573.012-020	1	Tan rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Brown mastic		None detected	Mastic/binder	3	Talc fibers

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Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006207980	40573.012-021	1	Gray elastic material		**None detected**	Rubber/binder	2	Cellulose
2006207981	40573.012-022	1	Brown paper with paint		**None detected**	Filler, Binder, Paint	35	Cellulose
2006207982	40573.012-023	1	Brown paper with paint		**None detected**	Filler, Binder, Paint	45	Cellulose
2006207983	40573.012-024	1	Brown sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Gray fibrous material with mastic	**55**	**Chrysotile**	Binder/filler, Mastic/binder	25	Cellulose
2006207984	40573.012-025	1	Yellow sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	55	Cellulose
		3	Brown sheet vinyl		**None detected**	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	65	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036, 425.673.9850

NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621505
Date Received: 12/8/2006
Samples Received: 23
Date Analyzed: 12/9/2006
Samples Analyzed: 23
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208139	40573.012-026	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	27	Cellulose
2006208140	40573.012-027	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	4	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006208141	40573.012-028	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	7	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	29	Cellulose
2006208142	40573.012-029	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	2	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	26	Cellulose
2006208143	40573.012-030	1	White chalky material with paper and paint		**None detected**	Binder/filler, Paint, Gypsum/binder	28	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036, 425.673.9850

NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621505
Date Received: 12/8/2006
Samples Received: 23
Date Analyzed: 12/9/2006
Samples Analyzed: 23
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208144	40573.012-031	1	Gray sandy brittle material		**None detected**	Binder/filler, Sand	3	Cellulose
2006208145	40573.012-032	1	Gray sandy brittle material		**None detected**	Binder/filler, Sand	4	Cellulose
2006208146	40573.012-033	1	Beige tile		**None detected**	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		**None detected**	Mastic/binder	4	Cellulose
2006208147	40573.012-034	1	Yellow mastic		**None detected**	Mastic/binder	4	Cellulose
		2	White powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	5	Cellulose
2006208148	40573.012-035	1	Beige tile	**2**	**Chrysotile**	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black mastic	**3**	**Chrysotile**	Mastic/binder	7	Cellulose
2006208149	40573.012-036	1	Black brittle material	**4**	**Chrysotile**	Binder/filler	3	Cellulose
2006208150	40573.012-037	1	White powdery material	**15**	**Chrysotile**	Binder/filler	5	Cellulose
2006208151	40573.012-038	1	Tan paper with paint		**None detected**	Binder/filler, Paint	55	Cellulose
2006208152	40573.012-039	1	Tan paper with paint		**None detected**	Binder/filler, Paint	50	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036, 425.673.9850

NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621505
Date Received: 12/8/2006
Samples Received: 23
Date Analyzed: 12/9/2006
Samples Analyzed: 23
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208153	40573.012-040	1	Tan paper with paint		**None detected**	Binder/filler, Paint	48	Cellulose
2006208154	40573.012-041	1	Tan paper with paint		**None detected**	Binder/filler, Paint	53	Cellulose
2006208155	40573.012-042	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	6	Cellulose
2006208156	40573.012-043	1	Tan rubbery material		**None detected**	Rubber/binder	1	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	5	Cellulose
2006208157	40573.012-044	1	Brown sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Green fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	70	Cellulose
2006208158	40573.012-045	1	Brown sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Green fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	70	Cellulose
2006208159	40573.012-046	1	Yellow mastic		**None detected**	Mastic/binder	3	Cellulose
2006208160	40573.012-047	1	Tan sheet vinyl		**None detected**	Vinyl/binder		None detected

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621505
Date Received: 12/8/2006
Samples Received: 23
Date Analyzed: 12/9/2006
Samples Analyzed: 23
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
		2	Gray fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	70	Cellulose
2006208161	40573.012-048	1	Black elastic material		**None detected**	Binder/filler	5	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621514
Date Received: 12/11/2006
Samples Received: 24
Date Analyzed: 12/11/2006
Samples Analyzed: 24
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208197	40573.012-049	1	Gray sandy brittle material		**None detected**	Binder/filler, Sand	2	Cellulose
2006208198	40573.012-050	1	Gray sandy brittle material		**None detected**	Binder/filler, Sand	3	Cellulose
2006208199	40573.012-051	1	Gray sandy brittle material		**None detected**	Binder/filler, Sand	2	Cellulose
2006208200	40573.012-052	1	Gray compressed fibrous material with paint		**None detected**	Paint, Filler, Fine particles	75	Cellulose, Glass fibers
2006208201	40573.012-053	1	Gray compressed fibrous material with paint		**None detected**	Paint, Filler, Fine particles	75	Cellulose, Glass fibers
2006208202	40573.012-054	1	Dark gray compressed fibrous material with paint	**2**	**Chrysotile**	Paint, Filler, Fine particles	75	Cellulose, Glass fibers
2006208203	40573.012-055	1	Dark gray compressed fibrous material with paint	**2**	**Chrysotile**	Paint, Filler, Fine particles	72	Cellulose, Glass fibers
2006208204	40573.012-056	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006208205	40573.012-057	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	5	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621514
Date Received: 12/11/2006
Samples Received: 24
Date Analyzed: 12/11/2006
Samples Analyzed: 24
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006208206	40573.012-058	Analyst Comments: Composite result for whole sample is less than 1% asbestos.						
		1	Tan powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		**None detected**	Binder/filler Gypsum/binder	25	Cellulose
2006208207	40573.012-059	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	3	Cellulose
		3	White chalky material with paper and paint		**None detected**	Binder/filler, Gypsum/binder	20	Cellulose
2006208208	40573.012-060	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Off-white mastic		**None detected**	Mastic/binder	5	Cellulose
2006208209	40573.012-061	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Off-white mastic		**None detected**	Mastic/binder	5	Cellulose
2006208210	40573.012-062	1	Black brittle material	**4**	**Chrysotile**	Binder/filler	5	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621514
Date Received: 12/11/2006
Samples Received: 24
Date Analyzed: 12/11/2006
Samples Analyzed: 24
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208211	40573.012-063	1	Yellow mastic with paint		**None detected**	Mastic/binder, Paint	5	Cellulose
2006208210	40573.012-064	1	Beige tile	**2**	**Chrysotile**	Vinyl/binder, Mineral grains	3	Cellulose
		2	Brown mastic	**4**	**Chrysotile**	Mastic/binder	7	Cellulose
2006208211	40573.012-065	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Off-white mastic		**None detected**	Mastic/binder	5	Cellulose
2006208212	40573.012-066	1	Gray soft material		**None detected**	Binder/filler	7	Cellulose
2006208213	40573.012-067	1	Tan sheet vinyl		**None detected**	Vinyl/binder		None detected
		2	Green fibrous material with mastic		**None detected**	Binder/filler, Mastic/binder	70	Cellulose
2006208214	40573.012-068	1	Tan paper with paint		**None detected**	Binder/filer, Paint	70	Cellulose
2006208215	40573.012-069	1	Black soft material		**None detected**	Binder/filler	5	Cellulose
2006208216	40573.012-070	1	Yellow mastic		**None detected**	Mastic/binder	7	Cellulose
		2	White powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	4	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

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NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: KCHA-Munro Manor

Client Job #: 40573.012
Laboratory Batch #: 200621514
Date Received: 12/11/2006
Samples Received: 24
Date Analyzed: 12/11/2006
Samples Analyzed: 24
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208217	40573.012-071	1	Yellow mastic		**None detected**	Mastic/binder	3	Cellulose
		2	White powdery material with paint	**2**	**Chrysotile**	Binder/filler, Paint	4	Cellulose
2006208218	40573.012-072	1	Brown rubbery material		**None detected**	Rubber/binder	2	Cellulose
		2	Brown mastic		**None detected**	Mastic/binder	9	Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

SEATTLE ASBESTOS TEST, LLC

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NVLAP ACCREDITATION
LAB CODE: 200768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: Munro Manor (KCHA)

Client Job #: 40573.012
Laboratory Batch #: 200621576
Date Received: 12/19/2006
Samples Received: 4
Date Analyzed: 12/19/2006
Samples Analyzed: 4
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2006208553	40573.012-073	1	Silver paint	2	Chrysotile	Paint	15	Cellulose, Wollastonite
		2	Black asphaltic material		None detected	Asphalt/binder	25	Synthetic fibers, Cellulose
		3	Silver paint	2	Chrysotile	Paint	17	Cellulose, Wollastonite
		4	Black asphaltic material		None detected	Asphalt/binder	27	Synthetic fibers, Cellulose
		5	Silver paint	2	Chrysotile	Paint	15	Cellulose, Wollastonite
		6	Multi-layer black asphaltic material		None detected	Asphalt/binder	26	Synthetic fibers, Cellulose
2006208554	40573.012-074	1	Silver paint	2	Chrysotile	Paint	15	Cellulose, Wollastonite
		2	Black asphaltic material		None detected	Asphalt/binder	25	Synthetic fibers, Cellulose
		3	Black asphaltic fibrous material		None detected	Asphalt/binder	45	Glass fibers
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
2006208555	40573.012-075	1	Silver paint	2	Chrysotile	Paint	14	Cellulose Wollastonite

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

SEATTLE ASBESTOS TEST, LLC

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036, 425.673.9850

NVLAP ACCREDITATION
LAB CODE: 20?768-0

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Client: PBS Environmental
Address: 130 Nickerson St. #107,
Seattle, WA 98109

Attention: Mr. Ernest Edwards
Project: Munro Manor (KCHA)

Client Job #: 40573.012
Laboratory Batch #: 200621576
Date Received: 12/19/2006
Samples Received: 4
Date Analyzed: 12/19/2006
Samples Analyzed: 4
Client Project #: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
		2	Black asphaltic material		None detected	Asphalt/binder	25	Synthetic fibers, Cellulose
		3	Black asphaltic fibrous material		None detected	Asphalt/binder	37	Glass fibers
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	27	Cellulose
2006208556	40573.012-076	1	Silver paint	2	Chrysotile	Paint	15	Cellulose, Wollastonite
		2	Black asphaltic material		None detected	Asphalt/binder	25	Synthetic fibers, Cellulose
		3	Silver paint	2	Chrysotile	Paint	17	Cellulose, Wollastonite
		4	Black asphaltic material		None detected	Asphalt/binder	27	Synthetic fibers, Cellulose

Analyzed by: Weilong Tai

Reviewed by: Steve (Fanyao) Zhang, President

2006214897

PBS ENVIRONMENTAL

Project: KCHA - Munro Manor **Project #:** 40573-012

Analysis requested: PLM **Date:** 12-7-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-7-06 / 1700

Received by/Signature: [signature] **Date/Time:** 12/07/06 / 17:01 pm

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Greeb	☐	John Caprino
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other_____

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other_____
☐	4 Hours				

BULK SAMPLE INVENTORY

Lab # 2006	Sample #	Material	Location	Lab
201960	40573-012-001	Beige Patterned Sheet Flooring	unit 217 kitchen	SPT
61	-002	Brown Cove base/mastic	unit 221 - Bathroom	
62	-003	"	unit 319 - "	
63	-004	"	unit 118 - "	
64	-005	Deck Coating	unit 201 - Deck floor	
65	-006	"	unit 213 - "	
66	-007	Joint Compound / GWB	unit 112 - Living Room	
67	-008	"	unit 219 - Closet	
68	-009	"	unit 216 - Bedroom Closet	
69	-010	"	unit 312 - Living Room	
70	-011	12" Beige Floor tile/mastic	unit 114 - kitchen	
71	-012	"	unit 115 - kitchen	
72	-013	"	unit 317 - kitchen	
73	-014	Ceramic tile Mastic	unit 313 - Bathroom	
74	-015	"	unit 115 - Bathroom	

PBS ENVIRONMENTAL, 130 NICKERSON ST. #107, SEATTLE, WASHINGTON 98109, (206) 233-9639, FAX: (206)-762-4780

20061489

PBS ENVIRONMENTAL

Project: KCHA - Munro Manor **Project #:** 40573.012

Analysis requested: PLM **Date:** 12-8-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-7-06 / 1700

Received by/Signature: Steve Murphy **Date/Time:** 12/7/06 / 1701

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Greeb	☐	John Caprimo
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other

TURN AROUND TIME:

☐	1 Hour	☑	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other
☐	4 Hours				

BULK SAMPLE DATA FORM

Lab # 2006	Sample #	Material	Location	Lab
20975	40573.012 - 016	Black sink undercoating	unit 112 kitchen	SAT
76	- 017	"	unit 231 kitchen	
77	- 018	"	unit 119 Kitchen	
78	- 019	Tan Cove base / Brown mastic	unit 219 kitchen	
79	- 020	"	unit 318 kitchen	
80	- 021	Door Frame Caulking	unit 112 - SLider	
81	- 022	Paint / wall Coating	unit 116 Bedroom	
82	- 023	"	Unit 316 Bathroom	
83	- 024	Brown Pebbled Sheet floor	unit 114 Bathroom	
84	- 025	Yellow sheet floor / Brown Pebbled S. floor	unit 315 Bathroom	

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3000621505 (93)

PBS ENVIRONMENTAL

Project: KCHA – Munro Manor **Project #:** 40573.012

Analysis requested: PLM **Date:** 12-8-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-8-06 / 1:15

Received by/Signature: [signature] **Date/Time:** 12/8/06 5:15 P

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☑	Ernest Edwards	☐	Chuck Greeb	☐	John Caprimo
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other
☐	4 Hours				

Lab # 3008	Sample #	Material	Location	Lab
3008/39	40573.012 - 026	Joint Compound/GWB	Unit 19 - Closet	SAT
40	40573.012 – 027	Joint Compound/GWB	Unit 211 – Closet Ceiling	
41	40573.012 028	Joint Compound/GWB	Unit 210 – Closet Ceiling	
42	40573.012 – 029	Joint Compound/GWB	Unit 106 - Kitchen	
43	40573.012 – 030	Gypsum Wallboard	Unit 18 – Living Room - field	
44	40573.012 – 031	Lightweight Concrete Flooring	Unit 200 – Kitchen	
45	40573.012 - 032	Lightweight Concrete Flooring	Unit 203 – Living Room	
46	40573.012 – 033	12" Beige Floor Tile (type 2)	Unit 200 - Kitchen	
47	40573.012 – 034	Backsplash Mastic/Joint Comp	Unit 203 - Kitchen	
48	40573.012 – 035	12" Beige Floor Tile (Type 1)	Unit 15 - Kitchen	
49	40573.012 – 036	Black Sink Undercoating	Unit 111 - Kitchen	
50	40573.012 – 037	Fire Door Insulation	2nd Floor - South wing	
51	40573.012 – 038	Paint/Wall Coating	Unit 207 - Closet	
52	40573.012 – 039	Paint/Wall Coating	Unit 21 - Living Room Wall	
53	40573.012 040	Paint/Wall Coating	Unit 20 – Living Room Wall	

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PBS ENVIRONMENTAL

Project: KCHA – Munro Manor **Project #:** 40573.012

Analysis requested: PLM **Date:** 12-8-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-8-06 / 1715

Received by/Signature: [signature] **Date/Time:** 12/8/06 1715

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Grech	☐	John Caprino
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other_____

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other_____
☐	4 Hours				

Lab # 29806	Sample #	Material	Location	Lab
208/176	40573.012 – 041	Paint/Wall Coating	Unit 107 – Living Room Wall	SAT
177	40573.012 – 042	Brown Covebase/Mastic	Unit 104 - Bathroom	
178	40573.012 – 043	Tan Covebase/Mastic	Unit 12 - Kitchen	
57	40573.012 – 044	Brown Pebbled Sheet Flooring	Unit 14 – Bathroom	
58	40573.012 – 045	Brown Pebbled Sheet Flooring	Unit 207 - Bathroom	
59	40573.012 – 046	Ceramic Tile Mastic	Unit 17 - Bathroom	
60	40573.012 – 047	Beige Sheet Flooring	Unit 200 - Bathroom	
61	40573.012 – 048	Sliding Door Frame Sealant	Unit 16 – Door to patio	

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200621574

PBS ENVIRONMENTAL

(24)

Project: KCHA – Munro Manor **Project #:** 40573.012

Analysis requested: PLM **Date:** 12-11-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-11-06 / 1700

Received by/Signature: [signature] **Date/Time:** 12/11/06 6:17 PM

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Greeb	☐	John Caprimo
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hilcy	☐	Janet Murphy	☐	Other

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other
☐	4 Hours				

Lab # 2006	Sample #	Material	Location	Lab
208197	40573.012-049	Stucco	Unit 102 Deck	SAT
198	-050	"	Unit 104 Deck	
199	-051	"	Unit 106 Deck	
200	-052	2ry Fissured ceiling tile (Type)	1st flr - office foyer	
201	-053	"	"	
202	-054	2ry Fissured ceiling tile (Type)	Community room	
203	-055	"	"	
204	-056	Gypsum wallboard	1st floor lobby	
205	-057	Joint Compound / Gwb	1st flr - south corridor	
206	-058	"	2nd floor corridor - north	
207	-059	Brown vinyl base/mastic/Gwb	1st floor lobby	
208	-060	Brown carbone/mastic	2nd floor corridor - north	
209	-061	"	2nd floor corridor - south	
210	-062	Black sink undercoat	Community room	
211	-063	Carpet mastic	Elevator	

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Job 208212

PBS ENVIRONMENTAL

Project: KCHA - Munro Manor **Project #:** 40573.012

Analysis requested: PLM **Date:** 12-11-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-11-06 / 1700

Received by/Signature: [signature] **Date/Time:** 12/6/06

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Greeb	☐	John Cuprimo
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other
☐	4 Hours				

BULK SAMPLE ANALYSIS FORM

Lab # 2006	Sample #	Material	Location	Lab
208212	40573.012-064	12" Beige floor tile/mastic	Community Room	SAT
13	-065	Brown Carebone/mastic	1st floor Corridor - South	
14	-066	Deck Coating	Unit 203	
15	-067	Tan pebbled sheet flooring	1st floor - Women's Restroom	
16	-068	Paint/wall coating	1st floor - Janitor Closet	
17	069	Door Frame Seal	Community Room - Exterior	
18	070	Ceramic tile Mastic/Compound Joint	1st floor Men's Restroom	
19	071	Backsplash Mastic	2nd floor - Laundry	
20	072	Tan Carebone/Brown Mastic	Community Room	

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SEATTLE ASBESTOS TEST, LLC BATCH # 20082576

CHAIN OF CUSTODY

Bulk Analysis ✓ Point Count 400 __ Point Count 600 __ Point Count 1000 __

Turn Around Time 24 hrs Number of Samples 4 Client Job # 40573-012

Client Name PES

Address ____ City ____ State ____ Zip ____

Phone ____ Fax ____ Email ____

Project Location Munro Manor (KCHA) Project Manager E. Edwards

Sample Condition: Good ____ Damaged ____ Severe Damage(Spillage) ____

SEQ#	SAMPLE ID	SAMPLE DESCRIPTION	Lab ID	Comment	A/R
1	40573.012-073	Silver Paint / Bur	20820883	Elevator	
2	-074	" "	84	upper roof (rigid)	
3	-075	" "	85	Lower roof - Field	
4	-076	" "	86	Lower roof - Tie off Area	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

	Print	Signature	Company Name	Date	Time
Sampled by	E. Edwards	[signature]	PES	12-19-06	
Relinquished by	E. Edwards	[signature]	PES	12-19-06	1355
Delivered by					
Received by	[illegible]	[illegible]	[illegible]	12/19/06	1453
Analyzed by	"	"	"	1/2/07	"
Result reported by	[illegible]	[illegible]	[illegible]	1/2/07	1715

Seattle Asbestos Test warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted, and disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Seattle Asbestos Test accepts no legal responsibility for the purpose for which the client uses test results. By signing on this form, the clients agree to relieve Seattle Asbestos Test of any liability that may arise from the test results.

Result Reporting method: (Phone) Fax (Email) Pick Up Report

FLAME AAS PAINT CHIP SAMPLE INVENTORY - LEAD

PBS Sample #	Paint Color/ Substrate/Component	Sample Location	Pb Result (mg/kg)	Pb % Result	Lab
40573.012 -Pb01	Brown/Hand Rail/Metal	Unit 221 Balcony Railing	24000.0	2.4000	NVL
40573.012 -Pb02	White/Wall/Gypsum Wallboard	3rd Floor - Laundry Room	270.0	0.0270	NVL
40573.012 -Pb03	White/Wall/Gypsum Wallboard	1st Floor - North Corridor	1100.0	0.0110	NVL
40573.012 -Pb04	White/Wall/Gypsum Wallboard	2nd Floor - Corridor	<41.0	<0.0041	NVL
40573.012 -Pb05	White/Wall/Gypsum Wallboard	Unit 203 - Living Room	<42.0	<0.0042	NVL
40573.012 -Pb06	White/Wall/Gypsum Wallboard	Unit 20 - Dining Room	<42.0	<0.0042	NVL
40573.012 -Pb07	White/Beam/Gypsum Wallboard	Unit 103 - Structural Beam	<41.0	<0.0041	NVL

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: PBS Environmental (Seattle)
Address: 130 Nickerson St
Suite 107
Seattle, WA 98109
Attention: Mr. Ernest Edwards
Project Location: KCHA - Munro Manor

Batch #: 2616676.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 40573.012
Date Received: 12/11/2006
Samples Received: 7
Samples Analyzed: 7

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
26115114	40573.012-Pb01	0.1975	43.0	24000.0	2.4000
26115115	40573.012-Pb02	0.2140	40.0	270.0	0.0270
26115116	40573.012-Pb03	0.2171	39.0	1100.0	0.1100
26115117	40573.012-Pb04	0.2088	41.0	< 41.0	< 0.0041
26115118	40573.012-Pb05	0.2018	42.0	< 42.0	< 0.0042
26115119	40573.012-Pb06	0.2030	42.0	< 42.0	< 0.0042
26115120	40573.012-Pb07	0.2058	41.0	< 41.0	< 0.0041

Sampled by: Client
Analyzed by: Michael Dougherty
Reviewed by: Nick Ly

Date Analyzed: 12/12/2006
Date Issued: 12/12/2006

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit
'<' = Below the reporting Limit

Bench Run No: 26-1212-1

PBS ENVIRONMENTAL

BATCH ID
2616676.00

Project: KCHA – Munro Manor **Project #:** 40573.012

Analysis requested: AA – Total Lead **Date:** 12-11-06

Relinq'd by/Signature: [signature] **Date/Time:** 12-11-06 / 1515

Received by/Signature: ERIN LEWIS **Date/Time:** 12/11/06 1515

Fax results to:

☐	Brian Stanford	☐	Prudy Stoudt-McRae	☐	Harry Goren
☒	Ernest Edwards	☐	Chuck Greeb	☐	John Caprimo
☐	Gregg Middaugh	☐	Mike Smith	☐	Tim Ogden
☐	Mark Hiley	☐	Janet Murphy	☐	Other_____

TURN AROUND TIME:

☐	1 Hour	☒	24 Hours	☐	3-5 Days
☐	2 Hours	☐	48 Hours	☐	Other_____
☐	4 Hours				

BULK SAMPLE DATA FORM

Lab #	Sample #	Material	Location	Lab
	40573.012 – Pb01	Brown/Metal/Hand Rail	Unit 221 Deck Railing	NVL
	40573.012 – Pb02	White/GWB/Wall	3rd Floor – Laundry	
	40573.012 – Pb03	White/GWB/Wall	1st Floor North Corridor	
	40573.012 – Pb04	White/GWB/Wall	2nd Floor Corridor	
	40573.012 – Pb05	White/GWB/Wall	Unit 203 Living Room	
	40573.012 – Pb06	White/GWB/Wall	Unit 20 Dining Room	
	40573.012 – Pb07	White/GWB/Beam	Unit 103 – Structural Beam	

PBS ENVIRONMENTAL, 130 NICKERSON ST. #107, SEATTLE, WASHINGTON 98109, (206)-233-9639, FAX: (206)-762-4780

Certificate of Completion

This is to certify that

Ernest Edwards

has satisfactorily completed
4 hours of refresher training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number: 1020842

J R Plumke
Instructor

EPA Provider Cert. Number: 1085

ARGUS PACIFIC
SAFETY • TRAINING • INDUSTRIAL HYGIENE

Feb 22, 2006
Date(s) of Training

Exam Score: NA

Expiration Date: Feb 22, 2007

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927