

APPENDIX B

Asbestos Analytical Results

Master Plan

BULK SAMPLE DATA SHEET

BULK SAMPLE MATERIAL DESCRIPTION

ANALYSIS - % ASBESTOS

Bulk Sample No.	Floor/Room	Type of Equip./Construction				Material Description	Homogeneous Area	Observations: -Basic Characteristics -Thickness -Layering/Color/Variations -Salients	Amosite	Chrysotile	Crocidolite	None Detected	Photo No.	Remarks
		Type of Equip.	Construction	Type of Material	Material Description									
PG-PL-01	FIRST FL, CONF. ROOM	WAL	S	PFC		WHITE PLASTER				✓			FRIABLE	
PG-FT-02	FIRST FL, NE ROOM		M	FT		BROWN - 9x9		4%					NON-FRIABLE	
PG-RM-03	Roof	RD	M	RT		BLACK - ROOFING TAR		12%					NON-FRIABLE	
PG-WB-04	Basement, EAST OFFICE	NAL	M	WB		Vinyl coated wallboard				✓			FRIABLE (FAUX MARBLE)	
PG-CT-05	Basement, East office	CLG	M	CT		2'x4' Drop-in ceiling panels				✓			FRIABLE	
PG-TSI-06A	mudded elbow/Boiler Rm	P	T	ICT		mudded elbow		48%					FRIABLE	
PG-TSI-06B	Boiler Room	P	T	CL		BROWN CANVAS				✓			FRIABLE	
PG-PL-07	Basement - East Hall	WAL	M	PFC		GRAY, thin stc coat				✓			FRIABLE	
PP-TSI-09	Police chief office - Basement	P	T	ICT		mudded elbow, white-gray				✓			FRIABLE	
PP-CT-10	Basement, record storage rm	CLG	M	CT		Handstooth pattern 12x12				✓			FRIABLE	
PP-TSI-11	Basement, record store Rm	P	T	ACI		Airrel pipe covering - Brown		60%					FRIABLE, where exposed	
PP-WP-12	Basement, records store Rm	WAL	M	PFC		White				✓			FRIABLE	
PP- WP ^{CT} -13	Detectives office	CLG	M	CT		2x4 Drop-in panels				✓			FRIABLE	

TYPE OF EQUIPMENT		TYPE OF CONSTRUCTION		MATERIAL DESCRIPTION		PIPING SUFFIXES	
SP	Steam Piping	COL	Columns	SC	Sprayed Ceiling	(F)	Fitting
HWHP	Hot Water Heating Piping	MFD	Metal Floor Deck	SI	Sprayed Insulation	(V)	Valve
RDP	Roof Drain Piping	MRD	Metal Roof Deck	CT	Ceiling Tiles	(E)	Elbow
HWP	Hot Water Piping	ML	Metal Lath	PFC	Plaster Finish Coat		
CWP	Cold Water Piping	SFF	Structural Floor Framing	PSC	Plaster Scratch Coat		
HWT	Hot Water Tank	SRF	Structural Roof Framing	ICT	Insulating Cement Troweled	(CL)	Canvas Lagging
BLR	Boiler	WAL	Walls	ICC	Insulating Cement w/Chick Wire	(CLP)	Canvas Lagging Painted
BS	Boiler Stack	CLG	Ceiling	BI	Block Insulation	(KSF)	Kraft Paper/Schrim Foil
AC	Air Condition Unit	RD	ROOF DECK	ACI	Air Cell Insulation	(PC)	Plaster Covering
HV	Heating & Ventilation Unit		TYPE OF MATERIALS	LPI	Layered Paper Insulation	(MC)	Metal Covering
HVAC	HVAC Unit	S	Surfacing	FI	Fiberglass Insulation		
DW	Duct Work	T	Thermal	MW	Mineral Wool		
		M	Miscellaneous	C	Cork		
				FB	Fiber Board		
				CB	Cement Board		

Project No. _____

Project Name Portsmouth

ACM Survey

Sample Date 4-4-97

Laboratory DLZ

Technician Howland

Page 01 of 02

RT - ROOFING TAR

BULK SAMPLE DATA SHEET

BULK SAMPLE MATERIAL DESCRIPTION

ANALYSIS - % ASBESTOS

Bulk Sample No.	Floor/Room	Type of Equip./Construction				Material Description	Homogeneous Area	Observations: -Basic Characteristics -Thickness -Layering/Color/Variations -Salients	ANALYSIS - % ASBESTOS					Remarks	
		Type of Equip.	Construction	Type of Material					Amosite	Chrysotile	Crocidolite	None Detected	Photo No.		
PP-CT-14	Municipal Clerks office	CLG	M	CT		White, perf, 12x12 C.T.					✓				FRIABLE
PP-WB-15	Closet @ Engineering office	WAL	M	WB		Brown wallboard w/ black lam.					✓				FRIABLE
PP-PL-16	3rd floor roof exit	WAL	M	PFC		White					✓				FRIABLE
PP-PL-17	Penthouse	WAL	M	PSC		TAN, GRANULATED					✓				FRIABLE
PP-RM-18	Roof	RD	M			Roofing material / black		12%							VARIES

TYPE OF EQUIPMENT SP Steam Piping HWHP Hot Water Heating Piping RDP Roof Drain Piping HWP Hot Water Piping CWP Cold Water Piping HWT Hot Water Tank BLR Boiler BS Boiler Stack AC Air Condition Unit HV Heating & Ventilation Unit HVAC HVAC Unit DW Duct Work	TYPE OF CONSTRUCTION COL Columns MFD Metal Floor Deck MRD Metal Roof Deck ML Metal Lath SFF Structureal Floor Framing SRF Structural Roof Framing WAL Walls CLG Ceiling TYPE OF MATERIALS S Surfacing T Thermal M Miscellaneous	MATERIAL DESCRIPTION SC Sprayed Ceiling SI Sprayed Insulation CT Ceiling Tiles PFC Plaster Finish Coat PSC Plaster Scratch Coat ICT Insulating Cement Troweled ICC Insulating Cement w/Chick Wire BI Block Insulation ACI Air Cell Insulation LPI Layered Paper Insulation FI Fibrous glass Insulation MW Mineral Wool C Cork FB Fiber Board CB Cement Board	PIPING SUFFIXES (F) Fitting (V) Valve (E) Elbow MATERIAL COVERING SUFFIXES (CL) Canvas Lagging (CLP) Canvas Lagging Painted (KSF) Kraft Paper/Schrim Foil (PC) Plaster Covering (MC) Metal Covering	Project No. _____ Project Name <u>Parksmouth -</u> <u>ACM Survey</u> Sample Date <u>4-4-97</u> Laboratory <u>DLZ</u> Technician <u>Howland</u> Page <u>02</u> of <u>02</u>
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ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 1
Lab Number: SL14339-1
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-PL-01 1ST FL CONF RM AT WINDOW	Bulk	CLIENT	04 APR 97	08 APR 97
				RESULT (%)
ASBESTOS				
Asbestos				N/D
NON-ASBESTOS FIBERS				
Cellulose				<01
NON-FIBROUS				
Non-Fibrous				99

This report of analytical results relates only to the specific items tested,
and cannot be used as a claim of product endorsement by NVLAP or any other
U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected





ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

Page 2

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-2
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-FT-02 1ST FL NE ROOM	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Chrysotile 04

NON-ASBESTOS FIBERS

Cellulose 01

NON-FIBROUS

Non-Fibrous 95

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and cannot be used as a claim of product endorsement by NVLAP or any other
U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 3
Lab Number: SL14339-3
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-RM-03 ROOF N. SIDE	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Chrysotile 12

NON-ASBESTOS FIBERS

Cellulose 20

NON-FIBROUS

Non-Fibrous 68

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and cannot be used as a claim of product endorsement by NVLAP or any other
U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-4
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-WB-04 BASEMENT E. OFFICE AT ENTRANCE	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 96

NON-FIBROUS

Non-Fibrous 04

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and cannot be used as a claim of product endorsement by NVLAP or any other
U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL - SCIENCE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 5
Lab Number: SL14339-5
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-CT-05 BASEMENT E. OFFICE INSIDE OFFICE	Bulk	CLIENT	04 APR 97	08 APR 97

	RESULT (%)
ASBESTOS	
Asbestos	N/D
NON-ASBESTOS FIBERS	
Cellulose	97
NON-FIBROUS	
Non-Fibrous	03

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and cannot be used as a claim of product endorsement by NVLAP or any other
U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 6
Lab Number: SL14339-6
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-TSI-06A BOILER RM ELBOW AT BOILER	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Chrysotile 48

NON-ASBESTOS FIBERS

Cellulose 04

NON-FIBROUS

Non-Fibrous 48

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 7
Lab Number: SL14339-7
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-TSI-06B CANVAS WRAP @ BOILER ELBOW	Bulk	CLIENT	04 APR 97	08 APR 97

	RESULT (%)

ASBESTOS	
Asbestos	N/D
NON-ASBESTOS FIBERS	
Cellulose	90
NON-FIBROUS	
Non-Fibrous	10

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

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DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-8
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PG-PL-07 BASEMENT EAST HALL WEST WALL	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Non-Asbestos Fibers N/D

NON-FIBROUS

Non-Fibrous 100

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-9
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-TSI-09 POLICE CHIEF OFFICE	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 02

Mineral Wool 22

NON-FIBROUS

Non-Fibrous 76

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Page 10
Lab Number: SL14339-10
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-CT-10 RECORDS STORAGE RM BACK AREA	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 10

Mineral Wool 70

NON-FIBROUS

Non-Fibrous 20

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U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

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DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-11
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-TSI-11 RECORDS STOR. RM ABOVE DROP CEILING	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Chrysotile 60

NON-ASBESTOS FIBERS

Cellulose 10

NON-FIBROUS

Non-Fibrous 30

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U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-12
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-WP-12 RECORDS STORAGE ROOM	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 04

NON-FIBROUS

Non-Fibrous 96

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-13
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-CT-13 DETECTIVES OFFICE 2X4 PANELS	Bulk	CLIENT	04 APR 97	08 APR 97

=====

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 18

Mineral Wool 12

NON-FIBROUS

Non-Fibrous 70

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-14
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-CT-14 MUNICIPAL CLERKS OFF. CONF ROOM	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 98

NON-FIBROUS

Non-Fibrous 02

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-15
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-WB-15 CLOSET @ SEC DESK IN ENG. OFFICE	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose 96

NON-FIBROUS

Non-Fibrous 04

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U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-16
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-PL-16 3RD FL ROOF EXIT	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos N/D

NON-ASBESTOS FIBERS

Cellulose <01

NON-FIBROUS

Non-Fibrous 99

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U.S. Government Agency

NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-17
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-PL-17 PENTHOUSE	Bulk	CLIENT	04 APR 97	08 APR 97

RESULT (%)

ASBESTOS

Asbestos

N/D

NON-ASBESTOS FIBERS

Cellulose

01

NON-FIBROUS

Non-Fibrous

99

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected



ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH

Lab Number: SL14339-18
Report Date: 04/11/97
DLZ Project Number: 9507-07

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE/TIME	RECEIVED
PP-RM-18 ROOFING MATERIAL	Bulk	CLIENT	04 APR 97	08 APR 97
				RESULT (%)

ASBESTOS				
Chrysotile				12
NON-ASBESTOS FIBERS				
Cellulose				05
NON-FIBROUS				
Non-Fibrous				83

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NVLAP Number 1060

Method Number: EPA-600/M4-82-020

N/D = None Detected

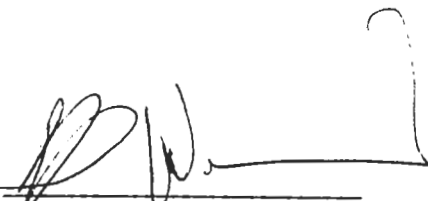


ENVIRONMENTAL TESTING • COMPLIANCE ANALYSES
INDUSTRIAL HYGIENE

DONNA HOWLAND
DODSON STILSON INC.
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
Job Number: 9721-7006-00-8000
Job Name: PORTSMOUTH


Page 19
Lab Number: SL14339
Report Date: 04/11/97
DLZ Project Number: 9507-07

I certify that the data presented as part of this report meets the minimum quality assurance standards specified in the referenced analytical method(s). Based on my review of the data, I believe that the submitted information is true, accurate, complete and meets the minimum standards specified in 40 CFR 136, 40 CFR 763, and/or SW-846. Any exceptions encountered in the analysis of samples contained within this report have been noted and an assessment of the quality of the data is presented. I am aware that there are significant penalties for submitting with knowledge, false information, including the possibility of fines and/or imprisonment.



Microscopist

DLZ Laboratories, Inc.



Quality Control Manager

Date of Report: Mar. 18, 1997

LABORATORY REPORT

Report to: Darrell Pennington
740 2nd Street
Portsmouth, Ohio 45662

Analysis for: Darrell Pennington
Phone: (614)353-5153
Fax: NA
Sample Numbers: 3001-03

Purchase order: GHWCC0197
Project Name: Griffin Hall

Laboratory Record:
Received: Feb. 28, 1997
Analyzed: Mar. 18, 1997
Reported: Mar. 18, 1997

BULK ASBESTOS LABORATORY REPORT (PLM)

Lab #	Sample #	Description and Location	H/I	Color	Matrix Material	Asbestos Type	%		Other Fibers	%
							VE	PC		
3001	WCC001	Top Coat	H	White	Syn. Bind. CaSO ₄ , Quartz	No Asb.	<1	-	Cellulose	1-5
3002	WCC002	2nd Coat	H	Gray	CaSO ₄ , Quartz, Opagues	No Asb.	<1	-	Cellulose	5-10
3003	WCC003	1st Coat	H	Gray	CaSO ₄ , Quartz Opagues	No Asb.	<1	-	Cellulose	5-10

See following page for notes and methods.

Hendrik Oulanoff,
Lyle Laboratory analyst

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1 of 2

LYLE LABORATORIES

1607 CHAMBERS ROAD COLUMBUS OH 43212-1539 614-488-1022
FAX 614-488-1198

A CERTIFIED LABORATORY: AIHA Accredited #937 Ohio EPA Lic. #878
Ohio EPA Certified #4150 NIOSH PAT Program Participant #9307
PROFESSIONAL MEMBERSHIP IN: ASM, AIHA, ACS, AASRC, AAAS

ABBREVIATION KEY

H = Sample is Homogeneous
I = Sample is Inhomogeneous*
Color = Analytical color (Macroscopic)
VE% = Quantitation by Visual Estimation
PC% = Quantitation by Point Count Method per Client's request
NA = Not Applicable

* Sub samples of the components were analyzed separately, but a single quantitation is provided for the sample.

MATRIX MATERIAL

CaCO ₃ =CaCO ₃ (Calcium Carbonate)	Polymer (synthetic)
CaSO ₄ =CaSO ₄ (Calcium Sulfate)	Tar
Glass Beads	Vinyl
Mica (Micaceous Material)	Other (non-specific)
Glue-paint	NMD (No Matrix Detected)
H.C.B. = Hydrocarbon Binder	

ASBESTOS FIBER TYPES

Amosite
Chrysotile
Crocidolite
Tremolite
Actinolite
Anthophyllite (Anth)

OTHER FIBER TYPES

Cellulose
Fibrous Glass
Polymer
Hair
Wollastonite
NOF = No Other Fibers

No Asb (No Asbestos Detected)

ANALYTICAL METHODS AND CONDITIONS

AHERA: 40 CFR 763 Subpart F, Appendix A
EPA Method: 7600/R-93/116
NIOSH Method: 9002

Olympus Vanox Polarized Light Microscope (100X-1000X Magnification)
Olympus SZHILLD Stereoscope

NOTE: Analyses are based only on item(s) submitted for testing.