

ASBESTOS AIR SAMPLING

COMPLETED FOR THE
GENERAL SERVICES ADMINISTRATION

Survey Location:

CHET HOLIFIELD FEDERAL BUILDING
GENERAL SERVICES ADMINISTRATION
24000 AVILA ROAD
LAGUNA NIGUEL, CALIFORNIA 92677

Survey dates:

FEBRUARY 7 THROUGH 9, 2017
AND FEBRUARY 25, 2017

Report Date:

MARCH 23, 2017

Prepared by:

UNITED STATES PUBLIC HEALTH SERVICE
FEDERAL OCCUPATIONAL HEALTH



A. EXECUTIVE SUMMARY

On February 7 through 9, 2017, U.S. Public Health Service, Federal Occupational Health inspection team members, Michael Pinkerton and Joshua White conducted an asbestos transmission electron microscopy (TEM) air sampling throughout the Chet Holifield Federal Building, located at 24000 Avila road, in Laguna Niguel, California 92677. Air sampling was conducted to verify that fiber-in air levels were at appropriate levels. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and in occupied office spaces throughout the building.

A total of sixty-seven (67) air samples and three field blanks and three lab blanks were collected by Federal Occupational Health and submitted to AMA Analytical Services, Inc. (AMA) for asbestos fibers concentration analysis using Transmission Electron Microscopy (TEM). Samples were analyzed following the AHERA (40 CFR Part 763 Appendix A Subpart E) protocol.

All of the samples collected by FOH were reported by AMA to be less than 70 s/mm^2 , except sample 020917-05JW, collected from Room 1610. Following the reporting of the results, additional sampling of Room 1610 was recommended.

Additional TEM air sampling was completed by Federal Occupational Health inspection team member, Scott Myers on February 25, 2017. The results of the additional sampling identified no asbestos fibers in any of the five (5) samples, with all sample result showing results of $<15 \text{ s/mm}^2$.

Sample 020917-09MP (Area 2-39) was found to be overloaded with background particulates, therefore not able to be analyzed. FOH recommends that this area be re-sampled during the next quarterly sampling to provide accurate sample results.

There are currently no regulations for general area asbestos air sampling so there are no regulations that you can compare the results to directly. The US Environmental Protection Agency (EPA) has regulations for area air sampling within a containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations. There are some differences in the method of collection since FOH did not collect the samples in a containment but the clearance level is the same.

For TEM samples, EPA uses the clearance level of 70 s/mm^2 after an asbestos removal has been completed. This is the level at which EPA considers the space safe to occupy.

B. INTRODUCTION

On February 7 through 9, 2017, U.S. Public Health Service, Federal Occupational Health, inspection team members, Michael Pinkerton and Joshua White conducted asbestos air sampling at the Chet Holifield Federal Building located at 24000 Avila Road, in Laguna Niguel, California 92677. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and office spaces occupied by government agencies within the above referenced structure (please refer to the attached Site Map).

Following the initial reporting of the results, additional TEM air sampling in Room 1610 was completed by Federal Occupational Health inspection team member, Scott Myers on February 25, 2017.

The Chet Holifield Federal Building is a United States Government Building managed by the General Service Administration and is occupied by government agencies. The 7-story pyramidal form building was constructed between 1967 and 1971 and is approximately 1,000,000 square foot in size. It is constructed of angled, painted, pre-cast concrete panels with reticulation, a textured finish that displays curvilinear forms and recessed anodized aluminum windows. The building has a concrete frame and the lateral force-resisting system consists of concrete shear walls and single-level concrete moment frames. This office space has carpeted and tiled floors, painted-sheetrock walls, drop ceilings, and the supply air is ducted while the return air is transported via the plenum area above the ceiling.

Before the survey, an opening conference was held with GSA Senior Property Manager Sherry Hutchinson and Building Manager Samantha Shintaku, to discuss the procedures and the locations of the air sampling.

C. METHODS

Air sampling was conducted by drawing a known volume of air through a filter using flow-controlled pumps that were each pre and post calibrated. Calibration was made by using a Bios Defender 520 Primary Flow Calibrator, with a representative sampler in line. The filter media used was 0.45-micron pore-size mixed cellulose ester filter with backup pad. Each sample was collected open-faced in a 25-millimeter non-conducting cassette. Each sample was collected at breathing zone height. The samples were collected for approximately 2 hours and a sufficient volume of air was collected to meet the required limit of quantification for TEM analysis as well as meet the optimum fiber loading on the filter. FOH collected the samples for approximately 2 hours to capture most activities that occur on a daily basis. Air samples were set up in common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of one seventy-two (72) air samples and six field blanks and six lab blanks were collected and analyzed for asbestos fiber concentrations using TEM an American Industrial Hygiene Association (AIHA) accredited laboratory. All samples were analyzed by AMA Analytical Laboratory, Inc. (AMA) in Lanham, Maryland.

D. RESULTS

A total of sixty-seven (67) air samples and three field blanks and three lab blanks were collected by Federal Occupational Health and submitted to AMA Analytical Services, Inc. (AMA) for asbestos fibers concentration analysis using Transmission Electron Microscopy (TEM). Samples were analyzed following the AHERA (40 CFR Part 763 Appendix A Subpart E) protocol.

All of the samples collected by FOH were reported by AMA to be less than 70 s/mm², except sample 020917-05JW, collected from Room 1610. Following the reporting of the results, additional sampling of Room 1610 was recommended.

Additional TEM air sampling was completed by Federal Occupational Health inspection team member, Scott Myers on February 25, 2017. The results of the additional sampling identified no asbestos fibers in any of the five (5) samples, with all sample result showing results of <15 s/mm².

Sample 020917-09MP (Area 2-39) was found to be overloaded with background particulates, therefore not able to be analyzed.

Complete laboratory results and sample location plans can be found in Section F-Supporting Documents of this report.

E. DISCUSSION AND RECOMMENDATIONS

FOH collected and had analyzed a total of 72 air samples (not including blanks) from throughout the Holifield Federal Building. FOH collected the samples for approximately 2 hours throughout the day during normal building operations.

There are currently no regulations for general area asbestos air sampling so there are no regulations that you can compare the results too directly. The US Environmental Protection Agency (EPA) has regulations for area air sampling within a containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations. There are some differences in the method of collection since FOH did not collect the samples in a containment but the clearance level is the same.

For TEM samples, EPA uses the clearance level of 70 s/mm² after an asbestos removal has been completed. This is the level at which EPA considers the space safe to occupy. All of the samples collected by FOH have levels less than 70 s/mm², except sample 020917-05JW, collected from Room 1610. Following the reporting of the results, additional sampling of Room 1610 was recommended.

Additional TEM air sampling was completed by Federal Occupational Health inspection team member, Scott Myers on February 25, 2017. The results of the additional sampling identified no asbestos fibers in any of the five (5) samples, with all sample result showing results of <15 s/mm².

Sample 020917-09MP (Area 2-39) was found to be overloaded with background particulates, therefore not able to be analyzed. FOH recommends that this area be re-sampled during the next quarterly sampling to provide accurate sample results.

FOH recommends that any work that is done above the ceiling, in the plenum area, is completed after hours while utilizing a negative pressure mini-containment. This will limit the disturbance of the dust on the top of the ceiling tiles.

F. SUPPORTING DOCUMENTS

The following supporting documents are attached to the report:

- Initial Laboratory Report/Chain of Custody for initial sampling (17 pages)
- Follow-up Laboratory Report/Chain of Custody for additional sampling (3 pages)
- Sample location plan (1 page)



CERTIFICATE OF ANALYSIS



101143-0

NY ELAP

10920

Chain of Custody: 538814
Client: FOH Boston Area Office/George Bearer
Address: JFK Building - Room E-110
 Government Center
 Boston, MA 02203
Attention: Mike Pinkerton
Job Name: Chet Holifield
Job Location: 24000 Avila Road
Job Number: 98350-05913
P.O. Number: Not Provided
Date Submitted: 02/13/2017
Person Submitting: Mike Pinkerton
Date Analyzed: 02/20/2017
Report Date: 02/20/2017
Date Sampled: Not Provided

Summary of Transmission Electron Microscopy

Filter Type:	MCE	AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration s/mm ²	Sample Type	Comments	
							Amount/Type	<5µm >=5µm					
		538814-1	020717-01MP	1202.4	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-2	020717-02MP	12227.93	0.067	0.00047	0	0	0	<15	<0.00047	N/P	
		538814-3	020717-03MP	1201.8	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-4	020717-04MP	1211.21	0.067	0.0047	0	0	0	<15	<0.0047	N/P	
		538814-5	020717-05MP	1204.8	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-6	0207017-06MP	1204.2	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-7	020717-07MP	1202.4	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-8	020717-08MP	1203.6	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-9	020717-09MP	1201.2	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-10	020717-10MP	1203.0	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-11	020717-11MP	1203.0	0.067	0.0048	0	0	0	<15	<0.0048	N/P	
		538814-12	020717-01JW	1435.5	0.067	0.004	0	0	0	<15	<0.004	N/P	
		538814-13	020717-02JW	1321.32	0.067	0.0043	0	0	0	<15	<0.0043	N/P	
		538814-14	020717-03JW	1364.08	0.067	0.0042	0	0	0	<15	<0.0042	N/P	
		538814-15	020717-04JW	1223.66	0.067	0.0047	0	0	0	<15	<0.0047	N/P	
		538814-16	020717-05JW	1265.0	0.067	0.0045	0	0	0	<15	<0.0045	N/P	
		538814-17	020717-06JW	1235.86	0.067	0.0046	0	0	0	<15	<0.0046	N/P	
		538814-18	020717-07JW	1315.6	0.067	0.0044	0	0	0	<15	<0.0044	N/P	
		538814-19	020717-08JW	1351.28	0.067	0.0043	0	0	0	<15	<0.0043	N/P	
		538814-20	020717-09JW	1297.4	0.067	0.0044	0	0	0	<15	<0.0044	N/P	
		538814-21	020717-10JW	1286.4	0.067	0.0045	0	0	0	<15	<0.0045	N/P	
		538814-22	020717-11JW	1257.5	0.067	0.0046	0	0	0	<15	<0.0046	N/P	
		538814-23	020717-12JW	1212.0	0.067	0.0047	0	0	0	<15	<0.0047	N/P	
		538814-24	020817-01MP	1374.11	0.067	0.0042	0	0	0	<15	<0.0042	N/P	
		538814-25	020817-02MP	1324.62	0.067	0.0043	0	0	0	<15	<0.0043	N/P	



CERTIFICATE OF ANALYSIS

Chain of Custody: 538814	Job Name: Chet Hollifield	Date Submitted: 02/13/2017
Client: FOH Boston Area Office/George Bearer	Job Location: 24000 Avila Road	Person Submitting: Mike Pinkerton
Address: JFK Building - Room E-110 Government Center Boston, MA 02203	Job Number: 98350-05913	Date Analyzed: 02/20/2017
Attention: Mike Pinkerton	P.O. Number: Not Provided	Report Date: 02/20/2017
		Date Sampled: Not Provided

Summary of Transmission Electron Microscopy

Filter Type:	MCE	AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration s/mm	Sample Type	Comments	
							Amount/Type	<5µm >=5µm					
		538814-26	020817-03MP	1519.815	0.067	0.0038	0	0	0	<15	<-0.0038	N/P	
		538814-27	020817-04MP	1497.98	0.067	0.0038	0	0	0	<15	<-0.0038	N/P	
		538814-28	020817-05MP	1487.4	0.067	0.0039	0	0	0	<15	<-0.0039	N/P	
		538814-29	020817-06MP	1492.58	0.067	0.0038	0	0	0	<15	<-0.0039	N/P	
		538814-30	020817-07MP	1274.45	0.067	0.0045	0	0	0	<15	<-0.0045	N/P	
		538814-31	020817-08MP	1202.4	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	
		538814-32	020817-09MP	1209.0	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	
		538814-33	020817-10MP	1206.0	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	
		538814-34	020817-11MP	1206.6	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	
		538814-35	020817-01JW	1329.24	0.067	0.0043	0	0	0	<15	<-0.0043	N/P	
		538814-36	020817-02JW	1340.64	0.067	0.0043	0	0	0	<15	<-0.0043	N/P	
		538814-37	020817-03JW	1313.93	0.067	0.0044	0	0	0	<15	<-0.0044	N/P	
		538814-38	020817-04JW	1305.2	0.067	0.0044	0	0	0	<15	<-0.0044	N/P	
		538814-39	020817-05JW	1263.78	0.067	0.0045	0	0	0	<15	<-0.0045	N/P	
		538814-40	020817-06JW	1252.5	0.067	0.0046	0	0	0	<15	<-0.0046	N/P	
		538814-41	020817-07JW	1409.8	0.067	0.0041	0	0	0	<15	<-0.0041	N/P	
		538814-42	020817-08JW	1394.17	0.067	0.0041	0	0	0	<15	<-0.0041	N/P	
		538814-43	020817-09JW	1405.6	0.067	0.0041	0	0	0	<15	<-0.0041	N/P	
		538814-44	020817-10JW	1404.2	0.067	0.0041	0	0	0	<15	<-0.0041	N/P	
		538814-45	020917-01MP	1246.82	0.067	0.0046	0	0	0	<15	<-0.0046	N/P	
		538814-46	020917-02MP	1214.84	0.067	0.0047	0	0	0	<15	<-0.0047	N/P	
		538814-47	020917-03MP	1207.2	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	
		538814-48	020917-04MP	1211.4	0.067	0.0047	0	0	0	<15	<-0.0047	N/P	
		538814-49	020917-05MP	1213.8	0.067	0.0047	0	0	0	<15	<-0.0047	N/P	
		538814-50	020917-06MP	1206.6	0.067	0.0048	0	0	0	<15	<-0.0048	N/P	



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Attention: Mike Pinkerton
Job Name: Chet Holifield
Job Location: 24000 Avila Road
Job Number: 98350-05913
P.O. Number: Not Provided
Date Submitted: 02/13/2017
Person Submitting: Mike Pinkerton
Date Analyzed: 02/20/2017
Report Date: 02/20/2017
Date Sampled: Not Provided

Summary of Transmission Electron Microscopy

Filter Type:	MCE	AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	25 mm (385 mm ²)		Concentration s/mm	Concentration s/cc	Sample Type	Comments
							Amount/Type	<5µm		>=5µm	s/mm				
538814-51		020917-07MP		1304.55	0.067	0.0044	0		0	<15	<0.0044	N/P			
538814-52		020917-08MP		1305.48	0.067	0.0044	0		0	<15	<0.0044	N/P			
538814-53		020917-09MP		1282.065	0.0	--	--		--	--	--	N/P		VOID: OVERLOADED WITH PARTICULATE	
538814-54		020917-10MP		1279.53	0.067	0.0045	0		0	<15	<0.0045	N/P			
538814-55		020917-11MP		1317.21	0.067	0.0044	0		0	<15	<0.0044	N/P			
538814-56		020917-12MP		1258.13	0.067	0.0046	0		0	<15	<0.0046	N/P			
538814-57		020917-01JW		1352.06	0.067	0.0043	0		0	<15	<0.0043	N/P			
538814-58		020917-02JW		1311.31	0.067	0.0044	0		0	<15	<0.0044	N/P			
538814-59		020917-03JW		1303.9	0.067	0.0044	0		0	<15	<0.0044	N/P			
538814-60		020917-04JW		1271.27	0.067	0.0045	0		0	<15	<0.0045	N/P			
538814-61		020917-05JW		1278.89	0.067	0.0045	6 Chry	6	0	90	0.027	N/P			
538814-62		020917-06JW		1241.24	0.067	0.0046	0		0	<15	<0.0046	N/P			
538814-63		020917-07JW		1262.52	0.067	0.0046	0		0	<15	<0.0046	N/P			
538814-64		020917-08JW		1251.25	0.067	0.0046	1 Chry	1	0	15	0.0046	N/P			
538814-65		020917-09JW		1204.8	0.067	0.0048	0		0	<15	<0.0048	N/P			
538814-66		020917-10JW		1212.42	0.067	0.0047	0		0	<15	<0.0047	N/P			
538814-72		020717-12MP		--	0.0	--	--		--	--	--	BLK		Not Analyzed	
538814-73		020717-13JW		--	0.0	--	--		--	--	--	BLK		Not Analyzed	
538814-74		020817-12MP		--	0.0	--	--		--	--	--	BLK		Not Analyzed	
538814-75		020817-11JW		--	0.0	--	--		--	--	--	BLK		Not Analyzed	
538814-76		020917-13MP		--	0.0	--	--		--	--	--	BLK		Not Analyzed	
538814-77		020917-11JW		--	0.0	--	--		--	--	--	BLK		Not Analyzed	



AMA Analytical Services, Inc.
 Focused On Results.

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Chain of Custody: 538814
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 Government Center
 Boston, MA 02203
Attention: Mike Pinkerton
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P.O. Number: Not Provided
Date Submitted: 02/13/2017
Person Submitting: Mike Pinkerton
Date Analyzed: 02/20/2017
Report Date: 02/20/2017
Date Sampled: Not Provided

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm)	Analytical Sensitivity s/cc	Asbestos Amount/Type	# Non Asbestos Structures >=5um	Concentration s/mm	Concentration s/cc	Sample Type	Comments
					<5um					

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): George Land, Michael Creaghan, Izabelle Mendez

Technical Director Andreas Saldivar


This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

CHAIN OF CUSTODY

(Please Refer To This Number For Inquiries)

538814

Mailing/Billing Information:

1. Client Name: FOH Boston Area Office
 2. Address 1: JFK Building - Room E-110
 3. Address 2: Government Center
 4. Address 3: Boston, MA 02203
 5. Phone #: 240-429-7808 Fax #: _____
 1. Job Name: Chet Hofffield
 2. Job Location: 24000 Avila Road
 3. Job #: 98350-05913 P.O. #: _____
 4. Contact Person: Mike Pinkerton @ phone # 310-382-4482
 5. Submitted by: Michael Pinkerton Signature: 

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

Immediate
 24 Hours
 3 Day
 5 Day + _____
 Next Day
 2 Day
 Date Due: 2/20/17

Results Required By Noon
 Date Due: _____

Comments: _____

REPORT TO:
 Include COC/Field Data Sheets with Report
 Email: michael_pinkerton@efglobal.com
 Fax: also email LYNDA_MCDERMOTT@EFGLOBAL.COM
 Verbals: _____

Asbestos Analysis

*PCM Air - Please Indicate Filter Type:
 NIOSH 7400 (QTY) _____
 Fiberglass (QTY) _____
 TEM Air* - Please Indicate Filter Type:
 AHERA 72 (QTY) _____
 NIOSH 7402 (QTY) _____
 Other (specify) _____ (QTY) _____
 PLM Bulk
 EPA 600 - Visual Estimate (QTY) _____
 EPA Point Count (QTY) _____
 NY State Friable 198.1 (QTY) _____
 Grav. Reduction ELAP 198.6 (QTY) _____
 Other (specify) _____ (QTY) _____
 MISC
 Vermiculite
 Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
 *It is recommended that blank samples be submitted with all air and surface samples

TEM Bulk

ELAP 198.4/Chatfield (QTY) _____
 NY State PLM/TEM (QTY) _____
 Residual Ash (QTY) _____
 TEM Dust*
 Qual. (pres/abs) Vacuum/Dust (QTY) _____
 Quan. (s/area) Vacuum D5755-95 (QTY) _____
 Quan. (s/area) Dust D6480-99 (QTY) _____
 TEM Water
 Qual. (pres/abs) (QTY) _____
 ELAP 198.2/EPA 100.2 (QTY) _____
 EPA 100.1 (QTY) _____

Metals Analysis

Pb Paint Chip (QTY) _____
 *Pb Dust Wipe (wipe type) (QTY) _____
 *Pb Air (QTY) _____
 Pb Soil/Solid (QTY) _____
 Pb TCLP (QTY) _____
 Drinking Water Pb (QTY) Cu (QTY) As (QTY) _____
 Waste Water Pb (QTY) Cu (QTY) As (QTY) _____
 Pb Furnace (Media) (QTY) _____

Fungal Analysis


Collection Apparatus for Spore Traps/Air Samples:
 Collection Media
 *Spore-Trap (QTY) _____
 *Surface Swab (QTY) _____
 *Surface Tape (QTY) _____
 Other (Specify) _____ (QTY) _____
 Surface Vacuum Dust (QTY) _____
 Culturable ID Genus (Media) (QTY) _____
 Culturable ID Species (Media) (QTY) _____

All samples received in good condition unless otherwise noted.
 (TEM Water samples _____°C)

If field data sheets are submitted, there is no need to complete bottom section.

CLIENT ID #	SAMPLE INFORMATION		DATE/TIME	VOL (L) / Wipe Area	ANALYSIS										CLIENT CONTACT			
	SAMPLE LOCATION/ID	DATE/TIME			PLM	PCM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	Date/Time:	Contact:	By:
	See Attached Field Data Sheets																	

LABORATORY STAFF ONLY:
 (CUSTODY)
 1. Date/Time RCVD: 2/13/17
 2. Date/Time Analyzed: _____
 3. Results Reported To: _____
 4. Comments: _____

Via: Felix @ _____
 By (Print): _____
 Sign: 
 Date: _____ / _____ / _____
 Time: _____

Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: 310-854-6300
 Collected By: M. R. P. KEETOP
 COC Number: _____

Job Name: CHET HOLIFIELD FOH
 Job Location: 24000 AVILA
 Address: _____

Date Collected: 2-8-17
 Contact Person: M. R. P. KEETOP
 Job Number: 98350-05713
 S _____ P _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
020817 -01MP	✓	1	1-11	0748	1005	137	10.03	10.03	10.03	1374.11
-02MP	✓	2	2-35	6757	1009	132	10.03	10.04	10.035	1,324.62
-03MP	✓	3	3-48	0802	1033	151	10.07	10.04	10.065	1,519.815
-04MP	✓	3	3-49	0804	1035	149	10.01	10.03	10.02	1,497.98
-05MP	✓	3	3-50	0811	1039	148	10.04	10.04	10.05	1,487.4
-06MP	✓	3	3-51	0815	1043	148	10.09	10.08	10.085	1,492.58
-07MP	✓	2	2-38	1015	1222	127	10.04	10.03	10.035	1,274.45
08MP	↓	2	2-37	1027	1329	120	9.58	10.04	10.02	1,202.4



Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: 310-854-4300
 Collected By: M. PICKERTON
 COC Number: _____

Job Name: CHET HOLIFIELD FOH
 Job Location: 24000 AVILIA
 Address: _____

Date Collected: 2/8/17
 Contact Person: M. PICKERTON
 Job Number: 98530-05913
 S _____ P _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
020817 -09MP	-	1	1-9	1053	1253	120	10.07	10.08	10.075	1,209	
-10MP	-	1	1-26	1058	1258	120	10.03	10.07	10.05	1,206	
-11MP	-	4	4-63	1105	1305	120	10.04	10.05	10.055	1,206.6	
-12MP	-	-	BEAK (LAB)	~~~~~							



Air Sampling Field Data Sheet

Date Collected: 2-8-17
 Contact Person: Mike Pinkerton
 Job Number: 9835005913
 S _____ P _____

Job Name: CHet Hollifield
 Job Location: _____
 Address: 2400 Avila Rd.
Laguna Niguel, CA 92677

Company: Federal Occupational Health
 Phone Number: 310-654-6300
 Collected By: Joshua White
 COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
2817-01-JW	/	3	Suite 3501	749	1001	132	10.07	10.07	10.07	1,329.24
2817-02-JW	/	3	Suite 3504	752	1005	133	10.08	10.08	10.08	1,340.64
2817-03-JW	/	3	Suite 3457	756	1007	131	10.03	10.03	10.03	1,313.93
2817-04-JW	/	4	Suite 4404	803	1013	130	10.04	10.04	10.04	1,305.2
2817-05-JW	/	3	Suite 3203	811	1017	126	10.03	10.03	10.03	1,263.78
2817-06-JW	/	3	- Vacant Suite	816	1021	125	10.02	10.02	10.02	1,252.5
2817-07-JW	/	3	Suite 3106	1028	1248	140	10.07	10.07	10.07	1,409.8
2817-08-JW	/	3	Suite 3104	1032	1251	139	10.03	10.03	10.03	1,394.17



Air Sampling Field Data Sheet

Page 11 of 4
 Company: Federal Occupational Health
 Phone Number: 310-554-6300
 Collected By: Joshua White
 COC Number: _____

Date Collected: 2-8-17 Job Name: Chet Holford Ltd
 Contact Person: Mike Pinkerton Job Location: 24000 Avila Rd.
 Job Number: 9836005913 Address: 24000 Avila Rd.
 S _____ P _____ Laguna Niguel CA - 92677

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
2817-09-4w		5	Suite 5160	1037	1257	140	10.04	10.04	10.04	1405.6
2817-10-4w		6	Suite 6140	1042	102	140	10.03	10.03	10.03	1404.2
2817-11-3w		/	Back (FIELD)							



Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: M. PIPKERTON
 Collected By: 310-854-4300 Jmp
 COC Number: _____

Job Name: CHET HOLIFIELD FOH
 Job Location: 24000 A01114
 Address: _____

Date Collected: 2/9/17
 Contact Person: M. PIPKERTON
 Job Number: 98350-05913
 S _____ P _____


Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
020917	-01MP	2	Z-27	0757	1001	124	10.04	10.07	10.055	1,244.82
-02MP			Z-29	0803	1004	121	10.04	10.02	10.04	1,214.84
-03MP			Z-31	0807	1007	120	10.04	10.09	10.065	1,207.2
-04MP			Z-30	0810	1016	120	10.12	10.07	10.095	1,211.4
-05MP			Z-28	0814	1016	120	10.13	10.09	10.115	1,213.8
-06MP			Z-32	0821	1021	126	10.04	10.07	10.055	1,266.6
-07MP			Z-33	10.25	12.35	130	10.04	10.01	10.035	1,304.55
-08MP			Z-34	1032	1241	129	10.09	10.18	10.12	1,305.48

Please Return Samples To:
 AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amaalab.com, info@amaalab.com



Air Sampling Field Data Sheet

Date Collected: 2/9/17 Page 2 of 4
 Contact Person: M. P. P. K. K. K. Company: Federal Occupational Health
 Job Number: 09 98350-05913 Phone Number: 301-854-4300
 Job Name: CRIST HOLLIFIELD F04 Collected By: M. P. P. K. K. K.
 Job Location: 24000 AVALIA COC Number: _____
 Address: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
020917 -09MP	✓	2	2-39	10:33	12:42	127	10.12	10.07	10.095	1,262.065	
-10MP	✓	2	2-40	10:46	12:47	127	10.69	10.06	10.075	1,279.53	
-11MP	✓	2	2-42	10:44	12:57	131	10.07	10.04	10.055	1,317.21	
-12MP	✓	2	2-41	10:43	12:48	125	10.04	10.04	10.065	1,258.13	
-13MP	✓	-	BACK (1AD)								



Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: 310-634-6300
 Collected By: Joshua White
 COC Number: _____

Job Name: Chet Holifield
 Job Location: _____
 Address: 24000 Avila Rd.
Laguna Niguel CA 92677

Date Collected: 2-9-17
 Contact Person: Mike Pinkerton
 Job Number: 9835005913
 S _____ P _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
2917-01-JW	/	1	Suite 10002	750	1004	134	10.09	10.09	10.09	1352.06
2917-02-JW	/	1	Suite 10000 Break room	756	1007	131	10.01	10.01	10.01	1311.31
2917-03-JW	/	1	13060	800	1000	130	10.03	10.03	10.03	1303.9
2917-04-JW	/	1	17035	808	1015	127	10.01	10.01	10.01	1271.27
2917-05-JW	/	1	1610	814	1020	126	10.07	10.07	10.07	1269.89 1,278.89
2917-06-JW	/	1	Cap Room #120	820	1024	124	10.01	10.01	10.01	1241.24
2917-07-JW	/	1	OIT	1030	1230	126	10.02	10.02	10.02	1262.52
2917-08-JW	/	1	Supply Warehouse	1032	1237	125	10.01	10.01	10.01	1251.25

Air Sampling Field Data Sheet

Date Collected: 2-9-17 Page 4 of 4
 Contact Person: Mike Pinkerton Company: Federal Occupational Health
 Job Number: 9835005913 Phone Number: 310-654-6300
 S _____ P _____ Collected By: Joshua White
 _____ COC Number: _____

Job Name: Chet Holifield
 Job Location: _____
 Address: 24000 Avila Rd.
Laguna Niguel, CA 92677

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
2917-09-JW	↑	2	Training Rim	1039	1239	120	10.04	10.04	10.04	1,204.8	
2917-10-JW	↓	2	2109 A	1047	1248	121	10.02	10.02	10.02	1,212.42	
2917-11-JW	↕	-	BLANK (FIELD)	↖							

Air Sampling Field Data Sheet

Date Collected: 2/2/17
 Contact Person: M. PIKERER
 Job Number: 98350-05913

Job Name: CHET HOLLIFIELD FOM
 Job Location: 24000 AVILA
 Address: _____

Company: Federal Occupational Health
 Phone Number: 310-654-6300
 Collected By: M. PIKERER
 COC Number: _____


S _____ P _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
020717 -01MP	✓	4	4-62	0744	0944	120	10.03	10.01	10.02	1,202.4
-02MP		3	3-47	0746	0948	122	10.07	10.06	10.065	1,227.93
-03MP		3	3-53	0752	0952	120	10.01	10.02	10.015	1,201.8
04MP		6	6-66	0800	1001	121	9.58	10.04	10.01	1,211.21
05MP		6	6-70	0804	1006	120	10.02	10.04	10.04	1,204.8
06MP		2	2-1	0821	1021	120	10.04	10.03	10.035	1,204.2
07MP		2	2-34	1010	1210	120	10.03	10.01	10.02	1,202.4
08MP		3	3-2	1017	1217	120	10.04	10.02	10.03	1,203.6



Air Sampling Field Data Sheet

Date Collected: 2/7/17 Job Name: CHET HOLIFIELD POH Page 2 of 4
 Contact Person: M. P. VEKTOP Job Location: 24000 AVILLA Company: Federal Occupational Health
 Job Number: 98350-05913 Address: _____ Phone Number: 310-654-6300
 Collected By: M. P. VEKTOP COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
020717 - 09MP	1	3	3-57	1021	1221	120	9.59	10.63	10.61	1,201.2	
-10MP	1	7	7-69	1033	1233	120	10.03	10.02	10.025	1,203	
-11MP	1	7	7-68	1037	1237	120	10.02	10.03	10.025	1,203	
-12MP	1	1	BLANK (LAB)								

Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: 310-654-6300
 Collected By: Joshua White
 COC Number: _____

Job Name: CHET Hollifield
 Job Location: _____
 Address: 24000 Avila Rd.
Laguna Niguel, CA 92677

Date Collected: 2-7-17
 Contact Person: Mike Pinkerton
 Job Number: 9835005913
 S _____ P _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
2717-01-JW	/	1	ICE-020	741	1006	145	9.9	9.9	9.9	1,435.5
2717-02-JW		1	ICE - War Room	757	1013	132	10.01	10.01	10.01	1,321.32
2717-03-JW		1	ICE - Mat Room	800	1016	136	10.03	10.03	10.03	1,364.08
2717-04-JW		1	ICE - Breakroom	808	1010	122	10.03	10.03	10.03	1,223.64
2717-05-JW		1	DCMA - 1630	815	1020	125	10.12	10.12	10.12	1,265.
2717-06-JW		1	DCMA - South End.	820	1022	122	10.13	10.13	10.13	1,235.86
2717-07-JW		1	Suite 1660	1035	1245	130	10.12	10.12	10.12	1,315.60
2717-08-JW		1	Suite 1640A	1040	1253	133	10.16	10.16	10.16	1,351.28



AMA Analytical Services, Inc.
Focused On Results.

CERTIFICATE OF ANALYSIS



Lab Code 101143-0
NY ELAP
 Lab ID 10920

Chain of Custody: 538944
Client: FOH Boston Area Office/George Bearer
Address: JFK Building - Room E-110
 Government Center
 Boston, MA 02203
Attention: Scott Myers

Job Name: Chet Hollifield Federal Building 98350-05913
Date Submitted: 02/27/2017
Date Analyzed: 02/27/2017
Report Date: 02/27/2017
Date Sampled: 02/25/2017
Person Submitting: Scott Myers

Job Location: 24000 Avila Road, Laguna Miguel, CA 92677

Job Number: S190885, P193661

P.O. Number: Not Provided

Summary of Transmission Electron Microscopy

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical Sensitivity s/cc	Asbestos Amount/Type	# Non Asbestos Structures	Concentration		Sample Type	Comments
							<5µm	>=5µm		
538944-1	022517-01SM	1230.0	0.0665	0.0047	0	0	<15	<0.0047	N/P	
538944-2	022517-02SM	1221.4	0.0665	0.0047	0	0	<15	<0.0047	N/P	
538944-3	022517-03SM	1234.8	0.0665	0.0047	0	0	<15	<0.0047	N/P	
538944-4	022517-04SM	1283.6	0.0665	0.0045	0	0	<15	<0.0045	N/P	
538944-5	022517-05SM	1250.0	0.0665	0.0046	0	0	<15	<0.0046	N/P	
538944-6	022517-06SM	0.0	0.0	--	--	--	--	--	BLK	Not Analyzed
538944-7	022517-07SM	0.0	0.0	--	--	--	--	--	BLK	Not Analyzed

Analyst(s): Izabelle Mendez, George Land

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Izabelle Mendez, George Land

Technical Director Andreas Saldivar

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Air Sampling Field Data Sheet

Company: Federal Occupational Health
 Phone Number: 310-430-0021
 Collected By: Scott Myers
 COC Number: _____

Job Name: Chet Holifield Federal Building Air Sampling
 Job Location: 24000 Avila Road
 Address: Languna Niguel, California 92677

Date Collected: 02-25-2017
 Contact Person: Scott Myers
 Job Number: 9835005913
 S 190855 P 193661

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
022517-01SM	1	1	Room 1610 - behind stage	0752	0955	123	10.0	10.0	10.0	1,230
022517-02SM	2	1	Room 1610 - front right of stage	0755	0959	124	10.0	9.7	9.85	1,221.4
022517-03SM	3	1	Room 1610 - rear right of stage	0758	1004	126	10.0	9.6	9.80	1,234.8
022517-04SM	4	1	Room 1610 - rear left of stage	0800	1009	129	10.0	9.9	9.95	1,283.6
022517-05SM	5	1	Room 1610 - front left of stage	0809	1014	125	10.0	10.0	10.0	1,250
022517-06SM		1	Field Blank	NA						
022517-07SM		1	Field Blank	NA						

