

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:

MAY 2, 2017 & MAY 3, 2017

Report Date:

May 25, 2017

Prepared by:

UNITED STATES PUBLIC HEALTH SERVICE
FEDERAL OCCUPATIONAL HEALTH



A. EXECUTIVE SUMMARY

On May 2, 2017 and May 3, 2017, the Federal Occupational Health (FOH) inspection team conducted asbestos air sampling throughout the Chet Holifield Federal Building. Air sampling was conducted to verify that airborne fiber 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-eight (68) air samples, three lab blanks and two field blanks were collected by Federal Occupational Health and submitted for analysis using Transmission Electron Microscopy (TEM).

There are no current EPA regulations for general area air sampling and no regulatory action levels for direct comparison of airborne asbestos levels; however, the US Environmental Protection Agency (EPA) has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations.

Laboratory analysis indicated fiber levels that ranged from less than 15 structures per millimeter squared (< 15 s/mm²) to 15 s/mm². In structures per cubic centimeter (s/cc) the results ranged from <0.0034 to <0.0048 s/cc of air.

For TEM AHERA 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 appropriate to return to general occupancy. Analytical results of all air samples indicate that asbestos concentrations were below the EPA clearance level of 70 s/mm². The Memorandum of Agreement (MOA) between the General Services Administration (GSA) and the US Citizenship and Immigration Services (USCIS) dated February 15, 2017 states that results less than 0.005 s/cc are considered acceptable. All results from the air sampling were less than 0.005 s/cc of air.

B. INTRODUCTION

On May 2, 2017 and May 3, 2017, U.S. Public Health Service, Federal Occupational Health, inspection team members, Michael Pinkerton, Joshua White and Matthew Rodriguez 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). A total of sixty-eight (68) air samples, with three lab blanks and two field blanks were collected and analyzed for asbestos fibers using transmission electron microscopy (TEM) by AMA Analytical Laboratory in Lanham, Maryland.

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. Air samples were collected from common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of sixty-eight (68) air samples, three lab blanks and two field blanks were collected and analyzed for asbestos fiber concentrations using AHERA TEM.. All samples were analyzed by AMA Analytical Laboratory in Lanham, MD, an American Industrial Hygiene Association (AIHA) accredited laboratory.

D. RESULTS

Laboratory analysis indicated fiber levels ranging from less than ($<$) 15 s/mm² to 15 s/mm². In structures per cubic centimeter (s/cc) the results ranged from <0.0034 to <0.0048 s/cc of air. Complete laboratory results and sample location plans can be found in Section F-Supporting Documents of this report.

Samples 050217-MP10 and 050217-JW02 each identified one (1) Chrysotile fiber in the individual sample.

Sample 050317-MP04 was relocated to the adjacent Kitchenette approximately 25 minutes into the sampling period at the request of the supervisor for the California Service Center, the occupant of the sampling area.

E. DISCUSSION AND RECOMMENDATIONS

There are currently no regulations for general area air sampling for asbestos and no regulatory action levels by which results may be directly compared. The US EPA has regulations for area air sampling within 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 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 appropriate to return to general occupancy. All of the samples collected by FOH have levels less than 70 s/mm².

The MOA between GSA and USCIS states that results less than 0.005 s/cc are considered acceptable. All results were below less than 0.005 s/cc of air.

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:

Laboratory Report/Chain of Custody for initial sampling (30 pages)

CERTIFICATE OF ANALYSIS

Chain of Custody: 540214
Client: FOH Boston Area Office/George Bearer
Address: JFK Building - Room E-110
 Government Center
 Boston, MA 02203
Attention: Michael Pinkerton

Job Name: Chet Holifield
Job Location: 24000 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/14/2017
Report Date: Pending
Date Sampled: 05/02/2017
Person Submitting: Michael Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm		>=5µm	s/mm ²		
540214-1	050717-MR01	1240.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540214-2	050717-MR02	1220.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540214-3	050717-MR03	1314.0	0.0665	0.0044	0		0	<15	<0.0044	N/P	
540214-4	050717-MR04	1200.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540214-5	050717-MR05	1200.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540214-6	050717-MR06	1311.0	0.0665	0.0044	0		0	<15	<0.0044	N/P	
540214-7	050717-MR07	1680.0	0.0665	0.0034	0		0	<15	<0.0034	N/P	
540214-8	050717-MR08	1560.0	0.0665	0.0037	0		0	<15	<0.0037	N/P	
540214-9	050717-MR09	1600.0	0.0665	0.0036	0		0	<15	<0.0036	N/P	
540214-10	050717-MR10	1430.0	0.0665	0.004	0		0	<15	<0.004	N/P	
540214-11	050717-MR11	1260.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
540214-13	050717-MR12	--	0.0	--	--		--	--	--	BLK	Not Analyzed



Environmental Services, Inc.
 Focused on Results www.amalab.com
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
 4475 Forbes Blvd. • Lanham, MD 20706
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires)

540214

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #: _____

Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avilla Road, Laguna Niguel, CA
- Job #: A98350-05913 P.O. #: _____
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____	NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>2 days</u> <input type="checkbox"/> 2 Day Date Due: <u>2/17/17</u>	REPORT TO: <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodriguez@efiglobal.com</u> <u>MICHAEL - PINKERTON@EFIGLOBAL.COM</u> <input type="checkbox"/> Fax: also email LYNDIA_MCDERMOTT@EFIGLOBAL.COM, Steven_Perez@EFIGLOBAL.COM <input type="checkbox"/> Verbal: _____
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Asbestos Analysis

- *PCM Air - Please Indicate Filter Type:
 NIOSH 7400 (QTY)
 Fiberglass (QTY)
- TEM Air* - Please Indicate Filter Type:
 AHERA 2 (QTY) (11 + 1 blank)
 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)

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)

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

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 Vacuum Dust (QTY)
 - *Surface Swab (QTY) Culturable ID Genus (Media _____) (QTY)
 - *Surface Tape (QTY) Culturable ID Species (Media _____) (QTY)
 - Other (Specify _____) (QTY)

MISC

- Vermiculite
 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
- If field data sheets are submitted, there is no need to complete bottom section.
 *It is recommended that blank samples be submitted with all air and surface samples

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

LABORATORY STAFF ONLY: (CUSTODY)

- Date/Time RCVD: 5/15/17 @ UPS Via: UPS By (Print): DU Hudson Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: S-2-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE RODRIGUEZ

Job Location: _____

Phone Number: 310-382-4482

Job Number: _____

Address: 24000 AVILA ROAD, LAGUNA NIGUEL, CA

Collected By: MATTHEW RODRIGUEZ

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
050217 - MRO1			1-21	8:02	10:06	124	10	10	10	1240
MRO2			1-22	8:10	10:12	122	10	10	10	1220
MRO3			1-26	8:18	10:44	146	9	9	9	1314
MRO4			1-1	8:23	10:23	120	10	10	10	1200
MRO5			1-3	8:50	10:50	120	10	10	10	1200
MRO6			1-6	8:35	10:53	138	9.56	9.56	9.56	1311
MRO7			1-17	10:30	1:18	148	10	10	10	1680
MRO8			1-18	10:37	1:13	156	10	10	10	1560

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



Air Sampling Field Data Sheet

Date Collected: 5-2-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-387-4482

Job Number: _____

Address: 24000 AVILLA ROAD, LAGUNA NIGUEL, CA

Collected By: MATTHEW RODRIGUEZ

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050217 - MR09			1-19	10:10	11:20	160	10	10	10	1600	
MR10			2-30	11:04	12:27	143	10	10	10	1,430	
MR11			2-31	11:10	11:30	140	9	9	9	1,260	
MR12			BLANK	~~~~~							

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



CERTIFICATE OF ANALYSIS

Chain of Custody: 540215
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 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/15/2017
Report Date: 05/15/2017
Date Sampled: 05/02/2017
Person Submitting: Mike Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos			# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm	>=5µm		s/mm ²	s/cc		
540215-1	050217-JW01	1397.48	0.0665	0.0041	0			0	<15	<0.0041	N/P	
540215-2	050217-JW02	1339.86	0.0665	0.0043	1 Chry	1	0	0	15	0.0043	N/P	
540215-3	050217-JW03	1322.82	0.0665	0.0044	0			0	<15	<0.0044	N/P	
540215-4	050217-JW04	1340.28	0.0665	0.0043	0			0	<15	<0.0043	N/P	
540215-5	050217-JW05	1311.42	0.0665	0.0044	0			0	<15	<0.0044	N/P	
540215-6	050217-JW06	1205.16	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540215-7	050217-JW07	1478.52	0.0665	0.0039	0			0	<15	<0.0039	N/P	
540215-8	050217-JW08	1226.31	0.0665	0.0047	0			0	<15	<0.0047	N/P	
540215-9	050217-JW09	1211.21	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540215-10	050217-JW10	1204.8	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540215-11	050217-JW11	1209.6	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540215-12	050217-JW12	1208.4	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540215-14	050217-JW13	0.0	0.0	--	--			--	--	--	BLK	Not Analyzed



Environmental Microbiology Services, Inc.
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 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This
 Number For Inquires)

540215

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avilla Road, Laguna Niguel, CA
- Job #: A98350-05913 P.O. #:
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>5/15/17</u> <input type="checkbox"/> 2 Day Date Due: _____		REPORT TO: <u>MICHAEL PINKERTON</u> <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodriguez@efiglobal.com</u> <input type="checkbox"/> Fax: also email <u>LYNDA_MCDERMOTT@EFIGLOBAL.COM</u> , <u>Steven_Perez@EFIGLOBAL.COM</u> <input type="checkbox"/> Verbals: _____
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Asbestos Analysis

- *PCM Air - Please Indicate Filter Type:
 NIOSH 7400 (QTY)
 Fiberglass (QTY)
- TEM Air* - Please Indicate Filter Type:
 AHERA 15 (QTY) 12 + 1 blank
 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)

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)

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

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 Vacuum Dust (QTY)
 - *Surface Swab (QTY) Culturable ID Genus (Media _____) (QTY)
 - *Surface Tape (QTY) Culturable ID Species (Media _____) (QTY)
 - Other (Specify _____) (QTY)

MISC

- Vermiculite
 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
- If field data sheets are submitted, there is no need to complete bottom section.
 *It is recommended that blank samples be submitted with all air and surface samples

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

LABORATORY STAFF ONLY: (CUSTODY)

- Date/Time RCVD: 5/15/17 @ 11:58 AM Via: UPS By (Print): Chet Holifield Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: 5-2-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-382-4482

Job Number: _____

Address: 24000 AVILIA ROAD, LAGUNA NIGEL, CA

Collected By: JOSH WHITE

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
050217- JW01			1-24 ICE ISS2-070	7:42	10:02	140	9.982	9.982	9.982	1,397.48
050217- JW02			1-25 ICE ISS2	7:50	10:05	135	9.925	9.925	9.925	1,339.86
050217- JW03			ICE - MAT ROOM	7:57	10:10	133	9.946	9.946	9.946	1,322.82
050217- JW04			DCMA 1630 - 38F	8:05	10:20	135	9.928	9.928	9.928	1340.28
050217- JW05			DCMA 1630 - PRINTER	8:10	10:22	132	9.935	9.935	9.935	1311.42
050217- JW06			CORRIDOR 1-I-16	8:15	10:16	121	9.96	9.96	9.96 1.7	1205.16
050217- JW07			1-12	10:30	12:58	148	9.99	9.99	9.99	1478.52
050217- JW08			1-23	10:32	12:35	123	9.97	9.97	9.97	1226.31

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



Air Sampling Field Data Sheet

Date Collected: S-2-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-352-4462

Job Number: _____

Address: 24000 AVILA ROAD, LAGUNA HILLS, CA

Collected By: JOSH WHITE

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050217- JW09			CBP 1640B	10:36	12:37	121	10.01	10.01	10.01	1211.21	
050217- JW10			1-5 1640D	10:41	12:41 12	120	10.04	10.04	1124.8 10.04	1204.8	
050217- JW11			1-16 CSC CORRIDOR FILE ROOM	10:43	12:43	120	10.08	10.08	10.08	1209.6	
050217- JW12			S-56 CBP 5020	10:55	12:55	120	10.07	10.07	10.07	1208.4	
050217- JW13			BLANK	_____							

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



CERTIFICATE OF ANALYSIS

Chain of Custody: 540216
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 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/15/2017
Report Date: Pending
Date Sampled: 05/02/2017
Person Submitting: Mike Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos			# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm	>=5µm		s/mm ²	s/cc		
540216-1	050217-MP01	1208.4	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540216-2	050217-MP02	1206.6	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540216-3	050217-MP03	1212.0	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540216-4	050217-MP04	1227.6	0.0665	0.0047	0			0	<15	<0.0047	N/P	
540216-5	050217-MP05	1219.8	0.0665	0.0047	0			0	<15	<0.0047	N/P	
540216-6	050217-MP06	1209.12	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540216-7	050217-MP07	1331.96	0.0665	0.0043	0			0	<15	<0.0043	N/P	
540216-8	050217-MP08	1203.95	0.0665	0.0048	0			0	<15	<0.0048	N/P	
540216-9	050217-MP09	1424.1	0.0665	0.0041	0			0	<15	<0.0041	N/P	
540216-10	050217-MP10	1629.66	0.0665	0.0036	1 Chry	1	0	0	15	0.0036	N/P	
540216-11	050217-MP11	1465.95	0.0665	0.0039	0			0	<15	<0.0039	N/P	
540216-12	050217-MP12	1282.4	0.0665	0.0045	0			0	<15	<0.0045	N/P	
540216-14	050217-MP13	--	0.0	--	--			--	--	--	BLK	Not Analyzed



Environmental Services, Inc.
 Focused on Results www.amalab.com
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
 4475 Forbes Blvd. • Lanham, MD 20706
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This
 Number For Inquires)

540216

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

Submittal Information:

- Job Name: Chet Hollifield
- Job Location: 24000 Avilla Road, Laguna Nigel, CA
- Job #: A98350-05913 P.O. #:
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>5/17/17</u> <input type="checkbox"/> 2 Day Date Due: _____		REPORT TO: <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodiguez@efiglobal.com</u> <u>MICHAEL-PINKERTON@EFIGLOBAL.COM</u> <input type="checkbox"/> Fax: also email <u>LYNDA_MCDERMOTT@EFIGLOBAL.COM</u> , <u>Steven_Perez@EFIGLOBAL.COM</u> <input type="checkbox"/> Verbals: _____
--	--	---	--	---

Asbestos Analysis

- *PCM Air - Please Indicate Filter Type:
 NIOSH 7400 _____ (QTY)
 Fiberglass _____ (QTY)
- TEM Air* - Please Indicate Filter Type:
 AHERA 13 (QTY) 12 + 1 blank
 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)

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)

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

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 Vacuum Dust _____ (QTY)
 - *Surface Swab _____ (QTY) Culturable ID Genus (Media _____) _____ (QTY)
 - *Surface Tape _____ (QTY) Culturable ID Species (Media _____) _____ (QTY)
 - Other (Specify _____) _____ (QTY)

MISC

- Vermiculite
 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
- If field data sheets are submitted, there is no need to complete bottom section.

CLIENT ID #	SAMPLE INFORMATION SAMPLE LOCATION/ID	DATE/TIME	VOL (L)/ Wipe Area	ANALYSIS										MATRIX				CLIENT CONTACT (LABORATORY STAFF ONLY)		
				TEM	PCM	PLM	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)

- Date/Time RCVD: 5/17/17 @ UPS Via: UPS By (Print): Chet Hollifield Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: S-2-17 Job Name: CHET MOLFIED
 Contact Person: MIKE PIPKERTON Job Location: _____
 Job Number: _____ Address: 24000 ASILA ROAD, LAGUNA PACCEL, CA
 S _____ P _____

Company: Federal Occupational Health
 Phone Number: 310-382-4442
 Collected By: MIKE PIPKERTON
 COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
050217- MP01			1-7	7:39	9:39	120	10.11	10.03	10.07	1208.4
MP02			1-9	7:43	9:45	122	9.86	9.91	9.89	1206.6
MP03			1-8	7:48	9:48	120	10.07	10.13	10.10	1212
MP04			1-11	7:55	9:55	120	10.20	10.26	10.23	1227.6
MP05			1-2	8:02	10:02	120	10.22	10.11	10.17	1219.8
MP06			2-33	8:14	10:20.5	132	9.16	9.16	9.16	1209.12
MP07			2-39	10:52	1:11	134	9.93	9.95	9.94	1331.96
MP08			2-43	10:48	12:49	121	9.93	9.92	9.925	1,203.95

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



Air Sampling Field Data Sheet

Date Collected: S-3-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PIPKERTON

Job Location: _____

Phone Number: 310-352-4452

Job Number: _____

Address: 24000 AJILA ROAD, LAGUNA NIGUEL, CA

Collected By: MIKE PIPKERTON

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050217- MP09			2-42	10:44	13:05	141	10.09	10.11	10.10	1474.1	
MP10			2-38	10:24	13:01	157	10.37	10.39	10.38	1679.66	
MP11			2-41	10:29	12:54	145	10.13	10.09	10.11	1465.95	
MP12			2-40	10:37	12:57	140	9.16	9.14	9.16	1,282.4	
MP13			BACK	~~~~~							



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



CERTIFICATE OF ANALYSIS

Chain of Custody: 540217
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 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/15/2017
Report Date: 05/15/2017
Date Sampled: 05/03/2017
Person Submitting: Mike Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm		>=5µm	s/mm ²		
540217-1	050317-JW01	1267.46	0.0665	0.0046	0		0	<15	<0.0046	N/P	
540217-2	050317-JW02	1234.92	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540217-3	050317-JW03	1326.6	0.0665	0.0044	0		0	<15	<0.0044	N/P	
540217-4	050317-JW04	1210.8	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540217-5	050317-JW05	1210.8	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540217-6	050317-JW06	1341.34	0.0665	0.0043	0		0	<15	<0.0043	N/P	
540217-7	050317-JW07	1397.2	0.0665	0.0041	0		0	<15	<0.0041	N/P	
540217-8	050317-JW08	1268.73	0.0665	0.0046	0		0	<15	<0.0046	N/P	
540217-9	050317-JW09	1604.8	0.0665	0.0036	0		0	<15	<0.0036	N/P	
540217-10	050317-JW10	1201.2	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540217-11	050317-JW11	1207.2	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540217-13	050317-JW12	--	0.0	--	--		--	--	--	BLK	Not Analyzed



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 4475 Forbes Blvd. • Lanham, MD 20706
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This
 Number For Inquires)

540217

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

Submittal Information:

- Job Name: Chet Hollifield
- Job Location: 24000 Avilla Road, Laguna Nigel, CA
- Job #: A98350-05913 P.O. #:
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>5/15/17</u> <input type="checkbox"/> 2 Day Date Due: _____		REPORT TO: <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodriguez@efiglobal.com</u> <u>MICHAEL-PINKERTON@EFIGLOBAL.COM</u> <input checked="" type="checkbox"/> Fax: also email <u>LYNDA_MCDERMOTT@EFIGLOBAL.COM</u> , <u>Steven_Perez@EFIGLOBAL.COM</u> <input type="checkbox"/> Verbals: _____
--	--	---	--	---

Asbestos Analysis

- *PCM Air - Please Indicate Filter Type:
 NIOSH 7400 (QTY)
 Fiberglass (QTY)
- TEM Air* - Please Indicate Filter Type:
 AHERA 12 (QTY) 11 + 1 blank
 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)

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)

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

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 Vacuum Dust (QTY)
 - *Surface Swab (QTY) Culturable ID Genus (Media _____) (QTY)
 - *Surface Tape (QTY) Culturable ID Species (Media _____) (QTY)
 - Other (Specify _____) (QTY)

MISC

- Vermiculite
 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
- If field data sheets are submitted, there is no need to complete bottom section.
 *It is recommended that blank samples be submitted with all air and surface samples

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

**LABORATORY
 STAFF ONLY:
 (CUSTODY)**

- Date/Time RCVD: 5/15/17 @ _____ Via: UPS By (Print): DU Hanson Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: S-3-17
 Contact Person: MIKE PIPKERTON
 Job Number: _____
 S _____ P _____

Job Name: CHET HOLIFIELD
 Job Location: _____
 Address: 24000 ANITA ROAD, LAGUNA NIGUEL, CA

Company: Federal Occupational Health
 Phone Number: 310-352-4482
 Collected By: JOSH WHITE
 COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
650317 - J2001			4-61	0749	9:56	127	9.98	9.98	9.98	1267.46
J2002			3-45	0757	10:00	123	10.04	10.04	10.04	1234.92
J2003			3-55	8:05	10:17	132	10.05	10.05	10.05	1,326.6
J2004			6-67	8:12	10:12	120	10.09	10.09	10.09	1,210.8
J2005			6-64	8:17	10:17	120	10.09	10.09	10.09	1,210.8
J2006			3-54	10:25	12:39	134	10.01	10.01	10.01	1341.34
J2007			3-34	10:32	12:42	140	9.98	9.98	9.98	1,397.2
J2008			4-62	10:41	12:48	127	9.99	9.99	9.99	1268.73

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



Air Sampling Field Data Sheet

Date Collected: S-3-17
 Contact Person: MIKE PIPKERTOP
 Job Number: _____
 S _____ P _____

Job Name: CHET HOLIFIELD
 Job Location: _____
 Address: 24000 ASHLA ROAD, LACUNA NICOEL, GA

Company: Federal Occupational Health
 Phone Number: 310-382-4482
 Collected By: JOSY WHITE
 COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050317- J5009			S-64	10:49	1:09	140	10.03	10.03	10.03	1,604.8	
J5010			7-69 (N-14)	11:02	1:02	120	10.01	10.01	10.01	1,201.2	
J5011			7-68 (M-15)	11:07	1:07	120	10.04	10.04	10.04	1,202.2	
J5012			BLADE	~~~~~							



Please Return Samples To:
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CERTIFICATE OF ANALYSIS

Chain of Custody: 540218
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 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/11/2017
Report Date: 05/12/2017
Date Sampled: 05/03/2017
Person Submitting: Mike Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm		>=5µm	s/mm ²		
540218-1	050317-MR01	1330.0	0.0665	0.0044	0		0	<15	<0.0044	N/P	
540218-2	050317-MR02	1300.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
540218-3	050317-MR03	1300.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
540218-4	050317-MR04	1200.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540218-5	050317-MR05	1240.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540218-6	050317-MR06	1210.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540218-7	050317-MR07	1640.0	0.0665	0.0035	0		0	<15	<0.0035	N/P	
540218-8	050317-MR08	1560.0	0.0665	0.0037	0		0	<15	<0.0037	N/P	
540218-9	050317-MR09	1660.0	0.0665	0.0035	0		0	<15	<0.0035	N/P	
540218-10	050317-MR10	1640.0	0.0665	0.0035	0		0	<15	<0.0035	N/P	
540218-11	050317-MR11	1500.0	0.0665	0.0039	0		0	<15	<0.0039	N/P	
540218-12	050317-MR12	1453.0	0.0665	0.004	0		0	<15	<0.004	N/P	
540218-14	050317-MR13	0.0	0.0	--	--		--	--	--	BLK	Not Analyzed



Environmental Microbiology Services, Inc.
 Focused on Results www.amalab.com
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CHAIN OF CUSTODY

(Please Refer To This
 Number For Inquires)

540218

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avilla Road, Laguna Nigel, CA
- Job #: A98350-05913 P.O. #:
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>5/15/17</u> <input type="checkbox"/> 2 Day Date Due: _____		REPORT TO: <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodriguez@efiglobal.com</u> <u>MICHAEL-PINKERTON@EFIGLOBAL.COM</u> <input type="checkbox"/> Fax: also email <u>LYNDA_MCDERMOTT@EFIGLOBAL.COM</u> , <u>Steven_Perez@EFIGLOBAL.COM</u> <input type="checkbox"/> Verbals: _____
--	--	---	--	--

Asbestos Analysis

- *PCM Air - Please Indicate Filter Type:
 NIOSH 7400 (QTY)
 Fiberglass (QTY)
 TEM Air* - Please Indicate Filter Type:
 AHERA 15 (QTY) 12 + 1 blank
 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)

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)

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

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 Vacuum Dust (QTY)
 - *Surface Swab (QTY) Culturable ID Genus (Media _____) (QTY)
 - *Surface Tape (QTY) Culturable ID Species (Media _____) (QTY)
 - Other (Specify _____) (QTY)

MISC

- Vermiculite
 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan) If field data sheets are submitted, there is no need to complete bottom section.
- *It is recommended that blank samples be submitted with all air and surface samples

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

**LABORATORY
 STAFF ONLY:
 (CUSTODY)**

- Date/Time RCVD: 5/15/17 @ _____ Via: UPS By (Print): Chet Holifield Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: S-3-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-382-4482

Job Number: _____

Address: 24000 AVILA ROAD, LAGUNA NIGUEL, CA

Collected By: MATTHEW RODRIGUEZ

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
050317- MR01			2-37	7:40	9:53	133	10	10	10	1330
MR02			2-36	7:46	9:56	130	10	10	10	1,300
MR03			2-35	7:50	10:00	130	10	10	10	1300
MR04			3-58	8:00	10:00	120	10	10	10	1200
MR05			3-47	8:06	10:10	124	10	10	10	1240
MR06			3-48	8:42	10:13	121	10	10	10	1210
MR07			3-54	10:30	1:14	164	10	10	10	1,640
✓ MR08			4-60	10:44	1:20	156	10	10	10	1,560

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com



Air Sampling Field Data Sheet

Date Collected: S-3-17
 Contact Person: MILK PINKERTON
 Job Number: _____
 S _____ P _____

Job Name: CHET HOLIFIELD
 Job Location: _____
 Address: 24000 AOLA ROAD, LACUNA NICOEL, CA

Company: Federal Occupational Health
 Phone Number: 310-382-4482
 Collected By: MATTHEW RODRIGUEZ
 COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050317- MR09			3-50	10:20	1:06	164	10	10	10	1,646	
MR10			3-52	10:25	1:09	164	10	10	10	1,640	
MR11			1-13	10:55	1:25	150	10	10	10	1,500	
MR12			3-53	10:38	1:11	153	10	10 9	10 9.5	1,453	
MR13			BLADE	_____							



CERTIFICATE OF ANALYSIS

Chain of Custody: 540219
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 Avilla Road, Laguna Nigel, CA
Job Number: A98350-05913
P.O. Number: Not Provided

Date Submitted: 05/08/2017
Date Analyzed: 05/12/2017
Report Date: 05/15/2017
Date Sampled: 05/03/2017
Person Submitting: Mike Pinkerton

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 ²)	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm		>=5µm	s/mm ²		
540219-1	050317-MP01	1240.917	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540219-2	050317-MP02	1226.61	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540219-3	050317-MP03	1208.19	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540219-4	050317-MP04	1229.97	0.0665	0.0047	0		0	<15	<0.0047	N/P	
540219-5	050317-MP05	1209.09	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540219-6	050317-MP06	1446.99	0.0665	0.004	0		0	<15	<0.004	N/P	
540219-7	050317-MP07	1262.04	0.0665	0.0046	0		0	<15	<0.0046	N/P	
540219-8	050317-MP08	1208.38	0.0665	0.0048	0		0	<15	<0.0048	N/P	
540219-9	050317-MP09	1281.6	0.0665	0.0045	0		0	<15	<0.0045	N/P	
540219-10	050317-MP10	1303.86	0.0665	0.0044	0		0	<15	<0.0044	N/P	



Environmental Analytical Services, Inc.
 Focused on Results www.amalab.com
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
 4475 Forbes Blvd. • Lanham, MD 20706
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This
 Number For Inquires)

540219

Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avilla Road, Laguna Nigel, CA
- Job #: A98350-05913 P.O. #:
- Contact Person: Mike Pinkerton @ phone # 310-382-4482
- 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.

AFTER HOURS (must be pre-scheduled) <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		NORMAL BUSINESS HOURS <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>5/15/17</u> <input type="checkbox"/> 2 Day Date Due: _____		REPORT TO: <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>matthew.rodriguez@efiglobal.com</u> <u>MICHAEL - PINKERTON@EFIGLOBAL.COM</u> <input type="checkbox"/> Fax: also email LYNDIA_MCDERMOTT@EFIGLOBAL.COM, Steven_Perez@EFIGLOBAL.COM <input type="checkbox"/> Verbals: _____
--	--	---	--	--

Asbestos Analysis

- *PCMAir - Please Indicate Filter Type:
 NIOSH 7400 (QTY)
 Fiberglass (QTY)
- TEM Air* - Please Indicate Filter Type:
 AHERA 11 (QTY) (10+1 blank)
 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)

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)

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

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 Vacuum Dust (QTY)
 - *Surface Swab (QTY) Culturable ID Genus (Media _____) (QTY)
 - *Surface Tape (QTY) Culturable ID Species (Media _____) (QTY)
 - Other (Specify _____) (QTY)

MISC

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 - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan) If field data sheets are submitted, there is no need to complete bottom section.
- *It is recommended that blank samples be submitted with all air and surface samples

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

LABORATORY STAFF ONLY: (CUSTODY)

- Date/Time RCVD: 5/15/17 @ UPS Via: UPS By (Print): Chet Holifield Sign:
- Date/Time Analyzed: _____ / _____ / _____ @ _____ By (Print): _____ Sign: _____
- Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
- Comments: _____

Air Sampling Field Data Sheet

Date Collected: S-3-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-382-4482

Job Number: _____

Address: 24000 ADILA ROAD, LAGUNA NICOEL, CA

Collected By: MIKE PICKERTON

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
050317- MP01			2-29	10:01	12:07	126	10.26	9.43	9.845	1,246.97
MP02			2-28	10:09	12:15	126	10.28	9.19	9.735	1,226.61
MP03			2-27	10:14	12:22	128	9.927	8.95	9.439	1,208.19
MP04			2-44	10:19	12:20	121	10.50	9.83	10.165	1,279.97
MP05			3-59	10:27	12:30	123	10.12	9.54	9.83	1,709.09
MP06			3-49	10:36	12:42	139	10.71	10.11	10.41	1,446.99
MP07			3-46 (HORSE)	12:37	14:47	130	9.746	9.67	9.708	1,267.64
MP08			3-57	12:53	14:57	124	10.05	9.44	9.745	1,708.38



Please Return Samples To:
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Air Sampling Field Data Sheet

Date Collected: S-3-17

Job Name: CHET HOLIFIELD

Company: Federal Occupational Health

Contact Person: MIKE PICKERTON

Job Location: _____

Phone Number: 310-382-4482

Job Number: _____

Address: 24000 AVILA ROAD, LAGUNA NIGUEL, CA

Collected By: MIKE PICKERTON

S _____ P _____

COC Number: _____

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)	
				Start	Stop	Total (minutes)	Initial	Final	Average		
050317-MP09			3-S1	12:48	14:48	120	11.27	16.68	16.68	1,281.6	
MP10			4-63	13:02	15:06	124	10.81	10.22	10.515	1,303.86	
MP11			BLADE	~~~~~~							



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

