



ASBESTOS INSPECTION REPORT

F E B R U A R Y 2 4 , 2 0 2 3

BEM PROJECT NO. 23-59562

Site

**Port of Stockton Maintenance Building Demo
37.946129, -121.326058 37.**

Prepared By

BOVEE ENVIRONMENTAL MANAGEMENT, INC.

1643 3rd Street, Escalon, CA 95320

Escalon 209-847-3800 • Fresno 559-264-3800 • Bakersfield 661-246-2110 • Sacramento 916-564-3838

February 24, 2023



Bovee Environmental Management, Inc. (BEM) is pleased to provide this Asbestos Survey Report regarding our asbestos inspection services at the Project Site summarized below.

I. PROJECT SUMMARY TABLE

PROJECT SITE TYPE	PROJECT SITE LOCATION	PROJECT SITE NOTE
Port of Stockton Maintenance Building Demo	37.946129, -121.326058	Demolition

INSPECTION TYPE	INSPECTED AREAS	INSPECTION DATE
Asbestos Survey	Interior & Exterior	February 22, 2023

II. INSPECTION SUMMARY

Samples of building materials considered to be *suspect asbestos containing materials** were identified and collected from the inspected areas referenced above to determine their asbestos content. Through proper chain-of-custody the collected samples are sent to BEM, Inc Laboratories for polarized light microscopy (PLM) analysis. A summary of all materials sampled and corresponding analytical results are listed below. Detailed information regarding sample number, actual sample location and analytical methods can be reviewed in attachments A and B.

SAMPLE COLLECTION SUMMARY

*See definitions on page 2.

#	MATERIAL SAMPLED	MATERIAL LOCATION	ASBESTOS	CATEGORY	CU. FT.
59562-01	Thermal System Insulation	Boiler Front & Debris	15% Amosite	RACM*	24,000
59562-02	Thermal System Insulation	Boiler Rear & Debris	15% Amosite	RACM*	↑
59562-03	Rope Gasket	Boiler	60% Chrysotile		↑
59562-04	Pipe Lagging	Boiler Pipe Run & Debris	None Detected	-	-
59562-05	Thermal System Insulation	Boiler Pipe Run & Debris	12% Amosite 8% Chrysotile	RACM*	↑
59562-06	Insulation Tape	Boiler Pipe Run Joints & Debris	3% Amosite 2% Chrysotile	RACM*	↑
59562-07	Fiberboard	Debris	None Detected	-	-
59562-08	Surface Texture	Walls & Debris	None Detected	-	-
59562-09	Surface Texture	Walls & Debris	None Detected	-	-
59562-10	Surface Texture	Walls & Debris	None Detected	-	-

Sample Collection Summary table continued on page 2.

#	MATERIAL SAMPLED	MATERIAL LOCATION	ASBESTOS	CATEGORY	SQ.FT.
59562-11	Sheetrock/Joint Compound	Walls & Debris	None Detected	-	-
59562-12	Sheetrock/Joint Compound	Walls & Debris	None Detected	-	-
59562-13	Vapor Barrier Paper	Wall Cavities & Debris	None Detected	-	-
59562-14	Insulation Board	Debris	None Detected	-	-
59562-15	Insulation	Debris	None Detected	-	-
59562-16	Roofing Material (Layer 1)	Debris	None Detected	-	-
59562-16	Silver Paint (Layer 2)	Debris	2% Chrysotile	RACM*	↑
59562-17	Paint	Exterior Walls & Debris	None Detected	-	-
59562-18	Brick Mortar	Smokestack	None Detected	-	-
59562-19	Concrete	Foundation	None Detected	-	-
59562-20	Debris	Building; West Half (5 to 1)	Assumed*	RACM*	↑
59562-21	Debris	Building; East Half (5 to 1)	Assumed*	RACM*	↑

*Sample unable to be properly quantified due to limitations of Polarized Light Microscopy. To determine an exact percentage the sample would require additional analysis under Transmission Electron Microscopy.

III. DEFINITIONS (*)

Suspect Asbestos Containing Material (ACM) - Local air quality management districts consider a material that is not wood, metal or glass, to be a suspect ACM. All suspect ACMs are assumed to contain asbestos until laboratory analysis confirms that a material has no asbestos content.

Category – ACM’s are classified as either “friable”, material that can be easily crushed or pulverized by normal hand pressure or as “non-friable”, material that cannot be easily crushed or pulverized by normal hand pressure. *Friable ACMs are considered a Regulated Asbestos Containing Material (RACM) requiring Class I work practices and engineering controls. Non-friable ACMs are considered either Category I or Category II Asbestos Containing Material requiring Class II work practices and engineering controls.*

Trace - Analytical result that is equal to or less than 1.0 percent asbestos by weight, but greater than 0.1 percent. Materials with a trace amount of asbestos have to be removed as asbestos containing construction material (ACCM) according to Cal-OSHA, but can be disposed as non-ACM upon point count analyses according to federal and state EPA regulations.

Homogeneous – Multiple samples collected of a suspect material that is similar in general appearance and from areas that appear to have been constructed at the same time are considered homogeneous. If multiple samples are collected from a similar material within a homogeneous area and only one of the multiple samples is found to contain asbestos, regulations mandate that the entirety of that material with the homogeneous area must be considered an ACM.

VFT – Vinyl Floor Tile TBD – To be determined

IV. ASBESTOS REGULATORY STANDARDS

California Occupational Safety and Health Administration (Cal-OSHA)

- Friable and Non-Friable ACCMs containing more than 0.1 percent asbestos by weight are regulated.
- Enforces regulations pertaining to workers performing ACCM removal and workers in close proximity.
- Contractors who disturb more than 100 square feet or 160 lineal feet of ACCM must be registered by the contractor’s state license board as an asbestos removal contractor.
- Contractors who disturb any amount of ACCM must ensure employee protection by providing accredited training, medical examinations, personal protective equipment and a negative exposure assessment.

United States Environmental Protection Agency (EPA)

- Friable and Non-Friable ACMs containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to protecting the environment, not workers.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M) and all state and federal requirements regarding asbestos.

Local Air Quality Control Districts

- Friable and Non-Friable ACM's containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to local air quality; "No Visible Air Emissions".
- Require an asbestos survey prior to renovation or demolition.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M).

V. RECOMMENDATIONS

BEM recommends compliance with all federal, state and local regulations concerning asbestos.

VI. WARRANTY

Samples of suspect asbestos containing building materials, which could be disturbed during construction activities, are collected by BEM. Site inspections and sample collection methodologies are performed to meet regulatory standards and industry protocols. BEM warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. There is a possibility that conditions may exist in which suspect ACM's could not be identified within the scope of the survey or were not apparent or accessible during the site visit. All scheduled work should cease and additional samples should be collected if unidentified suspect ACM's are discovered during construction activities.

If quantities of asbestos containing materials are stated in this report, they are supplied for budgetary and regulatory notification purposes only. They should not be relied on for abatement bidding purposes.

VII. CERTIFICATION

Inspection services relative to the Subject Site were provided by BEM's Mr. Brett L. Bovée & Anthony J. Miller, Certified Asbestos Consultants, No. 95-1643, expiration on 03/08/2023 & Number 19-6474, expiration on 04/17/2023. and California Department of Public Health Inspector/Assessor's/Project Monitor, ID# 1494/1493, expiration on 07/07/2023 & ID# 8476, expiration on 03/24/23.

BEM looks forward to assisting you in the near future. If you have any questions regarding this report or other BEM services, please do not hesitate to call us at (209) 847-3800 or (559) 264-3800.

Regards,

Brett L. Bovée

Brett L. Bovée, CAC, CMC, CDPH
Certified Asbestos Consultant No. 95-1643
CDPH Inspector/Assessor, ID# 1494
CDPH Project Monitor, ID# 1493



Anthony J. Miller

Anthony J. Miller, CAC, CDPH
Certified Asbestos Consultant No. 19-6474
CDPH Inspector/Assessor, ID# 8476



ATTACHMENT A

BEM

SAMPLE FIELD SHEET



CHAIN OF CUSTODY

1643 3RD STREET
 ESCALON, CA 95320
 833-643-3800 • BEM@BOVEEINC.COM

BEM PROJECT #	23-59562	TURN-AROUND TIME
SAMPLE DATE:	2-22-23	<input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS
SURVEY TYPE:	Demo	<input type="radio"/>

Project Name:	Port of Stockton Maintenance Building; Comm	Point Count Trace Results
Address:	37.946129, -121.326058	<input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO
Type of Loss:	Asb Demo	
Areas Inspected:	Int & Ext T/U	

Sample#	Sample Description	Surface	T. Time	LPM	Vol./Qua.	PLM	XRF	PCM	Mold Direct	E-COU	TEM	AAS
59562	Mat. Desc.: TSI	W C FL										
01	Mat. Loc.: Boiler Front & Debris	○○○				●	○	○	○	○	○	○
	Mat. Desc.: TST	W C FL										
02	Mat. Loc.: Boiler Rear	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Rope Gasket	W C FL										
03	Mat. Loc.: Boiler	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Pipe Lagging	W C FL										
04	Mat. Loc.: Boiler pipe Run & Debris	○○○				●	○	○	○	○	○	○
	Mat. Desc.: TSI	W C FL										
05	Mat. Loc.: Boiler Pipe Run	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Ins Tape	W C FL										
06	Mat. Loc.: Boiler pipe run - Joints	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Fiberboard	W C FL										
07	Mat. Loc.: Debris	○○○				●	○	○	○	○	○	○
	Mat. Desc.: ST	W C FL										
08	Mat. Loc.: Walls & Debris	●○○				●	○	○	○	○	○	○
	Mat. Desc.: ST	W C FL										
09	Mat. Loc.:	●○○				●	○	○	○	○	○	○
	Mat. Desc.: ST	W C FL										
10	Mat. Loc.:	●○○				●	○	○	○	○	○	○
	Mat. Desc.: SR/JC	W C FL										
11	Mat. Loc.:	●○○				●	○	○	○	○	○	○
	Mat. Desc.: SR/JC	W C FL										
12	Mat. Loc.:	●○○				●	○	○	○	○	○	○
	Mat. Desc.: VBT	W C FL										
13	Mat. Loc.: Wall cavities & Debris	○○○				●	○	○	○	○	○	○
	Mat. Desc.: INS Board	W C FL										
14	Mat. Loc.: Debris	○○○				●	○	○	○	○	○	○
	Mat. Desc.: INS	W C FL										
15	Mat. Loc.:	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Roofing material	W C FL										
16	Mat. Loc.:	○○○				●	○	○	○	○	○	○
	Mat. Desc.: Paint	W C FL										
17	Mat. Loc.: Ext & Debris	●○○				●	○	○	○	○	○	○

Relinquished by: Anthony Miller	Received by: AF	Relinquished by:	Received by:
X <i>[Signature]</i>	X	X	X
Time/Date: 2-22-23	Time/Date: 2/23/23 8:00AM	Time/Date:	Time/Date:



CHAIN OF CUSTODY

1643 3RD STREET
 ESCALON, CA 95320
 833-643-3800 • BEM@BOVEEINC.COM

BEM PROJECT #	23-59562	TURN-AROUND TIME
SAMPLE DATE:	2-22-23	<input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS
SURVEY TYPE:	Demo	<input type="radio"/>

Project Name:	Port of Stockton Maintenance Building ; Comm	Point Count Trace Results
Address:	37.946129, -121.326058	<input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO
Type of Loss:	Asb Demo	
Areas Inspected:	Int & Ext T/O	

Sample#	Sample Description	Surface	T. Time	LPM	Vol./Qua.	PLM	XRF	POM	Mold Direct	E-COLI	TEM	AAS
59562 19	Mat. Desc.: Brick Mortar Mat. Loc.: Smoke Stack	W C FL ○○○				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19	Mat. Desc.: Concrete Mat. Loc.: Foundation	W C FL ○○○				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20	Mat. Desc.: Debris S:1 Mat. Loc.: West half of Building	W C FL ○○○				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21	Mat. Desc.: Debris S:1 Mat. Loc.: East half of Building	W C FL ○○○				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Mat. Desc.: Mat. Loc.:	W C FL ○○○				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Relinquished by: Anthony Miller	Received by: AF	Relinquished by:	Received by:
X <i>Anthony Miller</i>	X	X	X
Time/Date: 2-22-23	Time/Date: 2/23/23 8:00AM	Time/Date:	Time/Date:

ATTACHMENT B

**LABORATORY
ANALYTICAL REPORT**



Report Prepared For:

Bovee Environmental Management
1643 3rd Street
Escalon CA 95320

Client Project: 23-59562

Report ID: AE230540

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on **February 23, 2023**. The samples were analyzed for asbestos using polarizing light microscopy (PLM) under EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763 Methods.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

TOTAL SAMPLES ANALYZED: 21

TOTAL LAYERS ANALYZED: 22

LAYERS >1% ASBESTOS: 6

Kind Regards,



Danielle Carrier

Laboratory Director



ASBESTOS REPORT SUMMARY

By: POLARIZED LIGHT MICROSCOPY

Client Project: 23-59562 **Report ID:** AE230540

Client: Bovee Environmental Management
 1643 3rd Street
 Escalon CA 95320

Methodology: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

Client ID	Layer	Lab ID	Color	Sample Description	% Asbestos
59562-01	1	AE2303433	Off White	Boiler TSI	Amosite 15%
59562-02	1	AE2303434	Off White	Boiler TSI	Amosite 15%
59562-03	1	AE2303435	Gray; White	Boiler Rope Gasket	Chrysotile 60%
59562-04	1	AE2303436	Off White	Pipe Lagging	None Detected
59562-05	1	AE2303437	White	TSI Pipe	Amosite 12% Chrysotile 8%
59562-06	1	AE2303438	Gray	Pipe Tape	Amosite 3% Chrysotile 2%
59562-07	1	AE2303439	Brown	Fiber Board	None Detected
59562-08	1	AE2303440	Gray	Surface Texture	None Detected
59562-09	1	AE2303441	Gray	Surface Texture	None Detected
59562-10	1	AE2303442	Gray	Surface Texture	None Detected
59562-11	1	AE2303443	Off White	Sheetrock / Joint Compound	None Detected
59562-12	1	AE2303444	Off White	Sheetrock / Joint Compound	None Detected



ASBESTOS REPORT SUMMARY

By: POLARIZED LIGHT MICROSCOPY

Client Project: 23-59562 Report ID: AE230540

Client: Bovee Environmental Management
 1643 3rd Street
 Escalon CA 95320

Methodology: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

Client ID	Layer	Lab ID	Color	Sample Description	% Asbestos
59562-13	1	AE2303445	Black	Vapor Barrier	None Detected
59562-14	1	AE2303446	Brown/Black	Insulation Board	None Detected
59562-15	1	AE2303447	Pink	Insulation	None Detected
59562-16	1	AE2303448	Beige	Roofing	None Detected
	2		Silver	Silver Paint	Chrysotile 2%
59562-17	1	AE2303449	White	Paint	None Detected
59562-18	1	AE2303450	Gold	Brick Mortar	None Detected
59562-19	1	AE2303451	Gray	Concrete Foundation	None Detected
59562-20	1	AE2303452	Black	Debris	Chrysotile +
59562-21	1	AE2303453	Black	Debris	Chrysotile +



ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

Client: Bovee Environmental Management
1643 3rd Street
Escalon CA 95320

Report ID: AE230540
Received: 02/23/2023
Analyzed: 02/23/2023
Reported: 02/23/2023

Client Project: 23-59562

Methodology: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

Client ID Sample ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS	
			Fibrous		Non-Fibrous		%
59562-01 AE2303433	Boiler TSI	Off White Homogeneous Fibrous Loosely Bound			Binder/Filler	85%	Amosite 15%
59562-02 AE2303434	Boiler TSI	Off White Homogeneous Fibrous Loosely Bound			Binder/Filler	85%	Amosite 15%
59562-03 AE2303435	Boiler Rope Gasket	Gray; White Homogeneous Fibrous Loosely Bound	Cellulose Fiber	10%	Binder/Filler	30%	Chrysotile 60%
59562-04 AE2303436	Pipe Lagging	Off White Homogeneous Fibrous Loosely Bound	Cellulose Fiber	100%			None Detected
59562-05 AE2303437	TSI Pipe	White Homogeneous Fibrous Loosely Bound			Binder/Filler	80%	Amosite 12% Chrysotile 8%
59562-06 AE2303438	Pipe Tape	Gray Heterogeneous Fibrous Bound	Fibrous Glass	90%	Binder/Filler	5%	Amosite 3% Chrysotile 2%
59562-07 AE2303439	Fiber Board	Brown Homogeneous Fibrous Loosely Bound	Cellulose Fiber Fibrous Glass	40% 30%	Perlite	30%	None Detected
59562-08 AE2303440	Surface Texture	Gray Heterogeneous Non-Fibrous Loosely Bound			Silicates Binder/Filler	15% 85%	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

Client: Bovee Environmental Management
 1643 3rd Street
 Escalon CA 95320

Report ID: AE230540
Received: 02/23/2023
Analyzed: 02/23/2023
Reported: 02/23/2023

Client Project: 23-59562

Methodology: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

Client ID Sample ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS		
			Fibrous	Non-Fibrous	%		
59562-09 AE2303441	Surface Texture	Gray Heterogeneous Non-Fibrous Loosely Bound			Silicates Binder/Filler	15% 85%	None Detected
59562-10 AE2303442	Surface Texture	Gray Heterogeneous Non-Fibrous Loosely Bound			Silicates Binder/Filler	15% 85%	None Detected
59562-11 AE2303443	Sheetrock / Joint Compound	Off White Heterogeneous Fibrous Bound	Cellulose Fiber	20%	Cal Carb Gypsum	10% 70%	None Detected
59562-12 AE2303444	Sheetrock / Joint Compound	Off White Heterogeneous Fibrous Bound	Cellulose Fiber	20%	Cal Carb Gypsum	10% 70%	None Detected
59562-13 AE2303445	Vapor Barrier	Black Heterogeneous Fibrous Loosely Bound	Fibrous Glass	75%	Silicates Binder/Filler	10% 15%	None Detected
59562-14 AE2303446	Insulation Board	Brown/Black Heterogeneous Fibrous Loosely Bound	Fibrous Glass Cellulose Fiber	25% 15%	Foil Glass Binder/Filler	10% 20% 30%	None Detected
59562-15 AE2303447	Insulation	Pink Homogeneous Fibrous Loose	Fibrous Glass	100%			None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

Client: Bovee Environmental Management
1643 3rd Street
Escalon CA 95320

Report ID: AE230540
Received: 02/23/2023
Analyzed: 02/23/2023
Reported: 02/23/2023

Client Project: 23-59562

Methodology: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

Client ID Sample ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
59562-16 AE2303448	LAYER 1 Roofing	Beige Heterogeneous Fibrous Loosely Bound	Fibrous Glass	20%	Gravel Silicates Tar	10% 10% 60%	None Detected
	LAYER 2 Silver Paint	Silver Homogeneous Non-Fibrous Bound			Paint Binder/Filler	88% 10%	Chrysotile 2%
59562-17 AE2303449	Paint	White Homogeneous Non-Fibrous Bound			Paint	100%	None Detected
59562-18 AE2303450	Brick Mortar	Gold Homogeneous Non-Fibrous Bound			Silicates Binder/Filler	40% 60%	None Detected
59562-19 AE2303451	Concrete Foundation	Gray Heterogeneous Non-Fibrous Bound			Paint Gravel Silicates Binder/Filler	5% 25% 30% 40%	None Detected
59562-20 AE2303452	Debris	Black Heterogeneous Fibrous Loose	Cellulose Fiber Fibrous Glass	+ +	Gravel Silicates	+ +	Chrysotile +
A "+" indicates that material is present							
59562-21 AE2303453	Debris	Black Heterogeneous Fibrous Loose	Cellulose Fiber Fibrous Glass	+ +	Gravel Silicates	+ +	Chrysotile +
A "+" indicates that material is present							



ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

Client: Bovee Environmental Management
1643 3rd Street
Escalon CA 95320

Report ID: 2300814
Received: 02/23/2023
Analyzed: 02/23/2023
Reported: 02/23/2023

Client Project: 23-59562

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite Non-Trem = Non-Asbestiform Tremolite

METHOD: EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

REPORTING LIMIT: <1% by Visual Estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by Weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under any of Bovee Environmental's laboratory accreditations. Estimated measurement of uncertainty is available on request.

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BEM is accredited with the Environmental Laboratory Accreditation Program (ELAP) under Certificate Number 3013.
BEM participates in the American Industrial Hygiene Association's (AIHA) Bulk Asbestos Proficiency Analytical Testing Program (BAPAT) under Laboratory Identification Number 221538 and the National Voluntary Laboratory Accreditation Program's (NVLAP) Bulk Asbestos Proficiency Test under Lab Code 901038.

Report Authorized By


Date: 02/23/2023
Danielle Carrier, Laboratory Director

Analyzed By


Date: 02/23/2023
Danielle Carrier



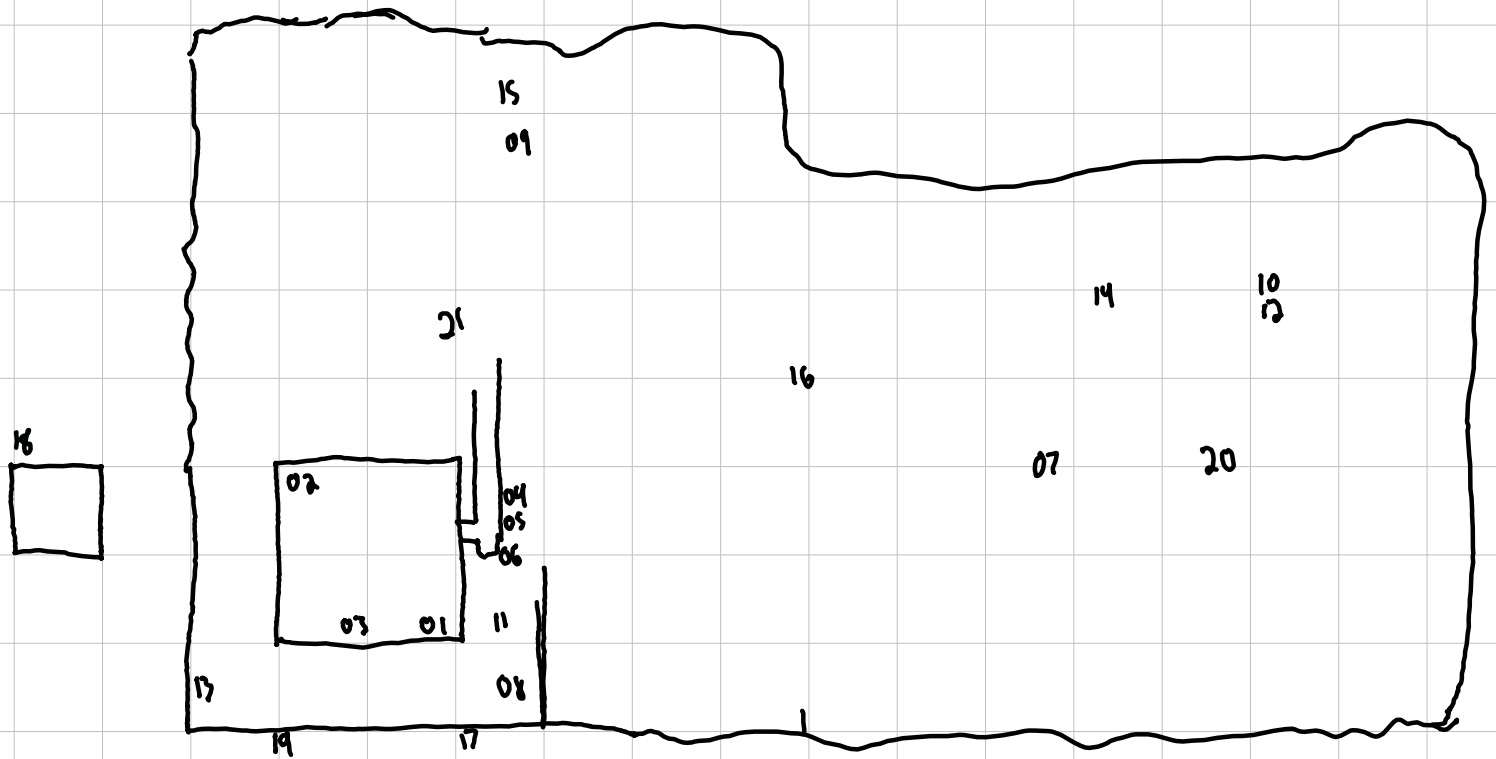
ATTACHMENT C

SITE DRAWING

23-59562

Port of Stockton Maintenance Building

37.946129, -121.326058



Port Rd 14
