



ENVIRONMENTAL, INC.

March 12, 2024

Mr. George Bibbins, CIH  
Port of San Francisco  
email: george.bibbins@sfport.com

RE: Limited Asbestos Sampling  
Pier 80 Exterior, San Francisco, CA 94124  
SCA Project No.: F13806

Dear Mr. Bibbins:

This technical memorandum reports the results of limited bulk asbestos sampling completed at the Pier 80 Exterior in San Francisco, CA 94124. Sampling was completed on March 11, 2024 by Ryan Kau, PE, CAC #23-7427, CDPH of SCA Environmental, Inc. (SCA). The sampling was limited to the Pier 80 exterior docks slated for rehabilitation. The following summarizes our findings:

**Asbestos**

Bulk samples were collected by SCA staff and analyzed at Asbestos TEM Laboratories, Inc. (ATEM) in Oakland, CA by Polarized Light Microscopy (PLM). These results are summarized below. Note that no asbestos was identified in any material.

Sample ID	Material Description	Asbestos Results
CONC-1-1,2,3	Light gray exterior concrete (-) along the edges of the Pier 80 docks	ND
ASPHALT-2-1,2,3	Gray / black asphalt (-) pavement along the Pier 80 docks	ND

ND=none detected (-) no asbestos detected in layer

If you have any questions or would like more information, please contact us.

Ryan Kau, PE, CAC, CDPH  
Project Manager  
rkau@sca-enviro.com  
(415) 272-7756

**Attachments:**

1. Sample Location Diagram – 1 page
2. Asbestos Laboratory Report – 2 pages



Pier 80



Pier 80

CONC-1-1

ASPHALT-2-1

CONC-1-2

ASPHALT-2-2

CONC-1-3

ASPHALT-2-3



Figure 1. Sample Location Diagram  
Pier 80 Exterior  
Post of San Francisco  
SCA Proj.#F-13806  
Surveyed: 3/11/24

# POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Page: 1 of 1

Contact: Christina Codemo/Dan	Samples Indicated: 6	Report No. <u>390697</u>
Address: SCA Environmental, Inc. 320 Justin Drive San Francisco, CA 94112	Reg. Samples Analyzed: 6	Version No. <u>1</u>
	Split Layers Analyzed: 4	Date Submitted: Mar-11-24
	Job Site / No. POSF Pier 80 Exterior F13806-CC/DL	Date Reported: Mar-11-24

SAMPLE ID	% ASBESTOS TYPE	OTHER DATA		DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed		FIELD LAB
CONC-1-1	None Detected	1) None Detected 2) 99-100% Qtz, Calc, Opq		
Lab ID # 532-10126-001A	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Concrete-Grey
CONC-1-1	None Detected	1) None Detected 2) 99-100% Opq, Tar		
Lab ID # 532-10126-001B	Homogeneity*:	3)	4) Mar-11-24	Asphalt/Tar-Black
CONC-1-2	None Detected	1) None Detected 2) 99-100% Qtz, Calc		
Lab ID # 532-10126-002	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Concrete-Grey
CONC-1-3	None Detected	1) None Detected 2) 99-100% Qtz, Calc		
Lab ID # 532-10126-003	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Concrete-Grey
ASPHALT-2-1	None Detected	1) None Detected 2) 99-100% Calc, Qtz, Opq, Tar		
Lab ID # 532-10126-004A	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Asphalt-Black
ASPHALT-2-1	None Detected	1) None Detected 2) 99-100% Tar, OPq		
Lab ID # 532-10126-004B	Homogeneity*:	3)	4) Mar-11-24	Tar-Black
ASPHALT-2-2	None Detected	1) None Detected 2) 99-100% Calc, Qtz, Opq, Tar		
Lab ID # 532-10126-005A	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Asphalt-Black
ASPHALT-2-2	None Detected	1) None Detected 2) 99-100% Tar, OPq		
Lab ID # 532-10126-005B	Homogeneity*:	3)	4) Mar-11-24	Tar-Black
ASPHALT-2-3	None Detected	1) None Detected 2) 99-100% Calc, Qtz, Opq, Tar		
Lab ID # 532-10126-006A	Homogeneity*:	3) Mar-11-24	4) Mar-11-24	Asphalt-Black
ASPHALT-2-3	None Detected	1) None Detected 2) 99-100% Tar, OPq		
Lab ID # 532-10126-006B	Homogeneity*:	3)	4) Mar-11-24	Tar-Black

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique.

\* - Samples with a Lab ID# ending in a letter are inhomogeneous exhibiting multiple layers, with each layer analyzed separately and labeled (e.g. A,B,C..).

Analyst Jo Ann Hector

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