GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/Environmental Consultants Services/Industrial Hygiene/ Indoor Air Quality
DNER & EPA Permits and Certifications

RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 EM@IL: globalespr@gmail.com PHONES: 787-994-2203/ 787-607-8965

Asbestos Containing Materials Inspection



SAMPLING CONDUCTED AT:

BUILDING S-1469-0-90-00

Located at Road PR-156 Km. 17.7
in Barranquitas, PR

GES Project # -2022-081

JUNE 2022

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June 15, 2022

Mrs. Karen W. Fornes
Environmental Assessment and
Audit Officer
Planning and Environmental Affairs Division
PRIDCO
Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building S-1469-0-90-00 located at Road PR-156 Km. 17.7 in Barranquitas, PR

Dear Mrs. Fornes:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project. The inspection was contracted for the evaluation this building.

Asbestos Containing Building Material (ACBM) is defined as any material which contains more that 1% percent Asbestos. The layout area in Appendix I of the Report.

The ACM inspection was conducted on June 2, 2022 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-0322-0106-SI with enough experience.

During the inspection, inspector found suspected Asbestos Containing Materials. A total 4 bulks samples were collected in the reference building. The asbestos inspection work will be performed by Asbestos Hazards Emergency Response Act (AHERA) accredited asbestos inspectors under the PR Department of Natural and Environmental Resources accreditation program. The inspection will be conducted in accordance with EPA's "Guidance for Controlling Asbestos Containing Materials in Buildings (EPA 560/5-85/024)". Asbestos Containing Materials Inspection and bulk sampling procedures to be implemented was based on the guidelines established by the ASTM E2356-14 Standard Practice for Comprehensive Building Asbestos Survey. Samples were analyzed by PLM using dispersion staining techniques in accordance with US EPA Method: 600/M4-82-020 of Dec. 1982 and 600/R-93/116 of July 93.

Our Global Environmental Services LLC (GES) company after reviewing the results of the bulks samples **obtained were negative materials to Asbestos** in the reference project. Global Environmental Services LLC **certifies this building asbestos free.**

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The Asbestos Containing Materials inspection was performed based on DNER/ NESHAP regulations and protocol according to the following scenario:

a. **The building area divided into several functional spaces.**
b. **Physical and hazard assessment of suspected asbestos containing materials was performed.**
c. **Samples were collected according to homogenous areas.**
d. **Samples sent to NVLAP Accredited Laboratory located in PR.**
e. **Samples were analyzed by PLM method, in accordance to EPA recommended procedures.**

Thank you for the opportunity, any questions, please call 787-994-2203 and 787-607-8965 or email globalespr@gmail.com.

Cordially;





Mr. Angel O. Ortega, JS
Environmental Consultant
President

Mr. Elis J. Morales
Asbestos Inspector-ASB-0322-0106-SI

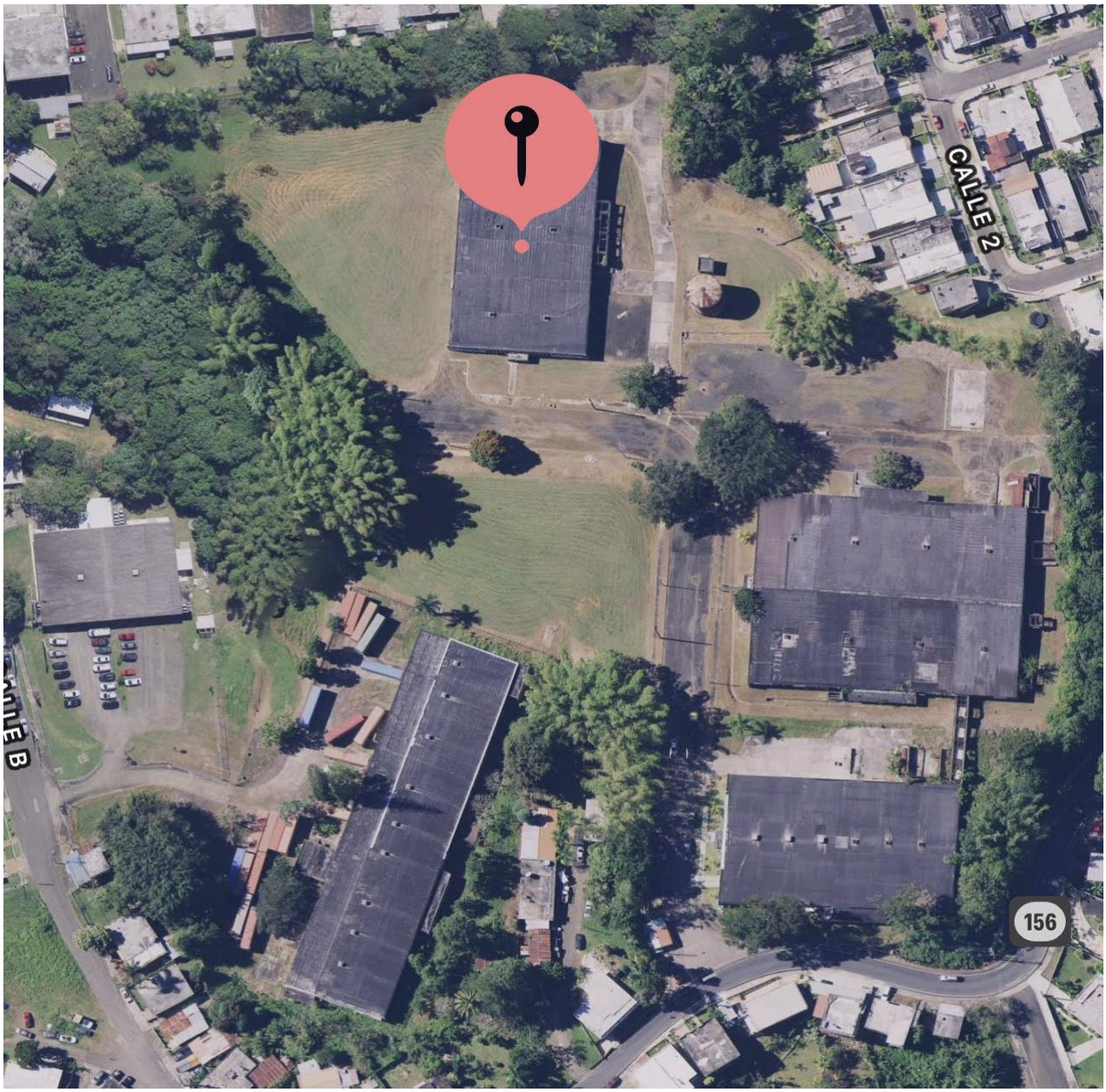
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APPENDIX I

LAYOUT AND SITE LOCATIONS

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SITE AREA

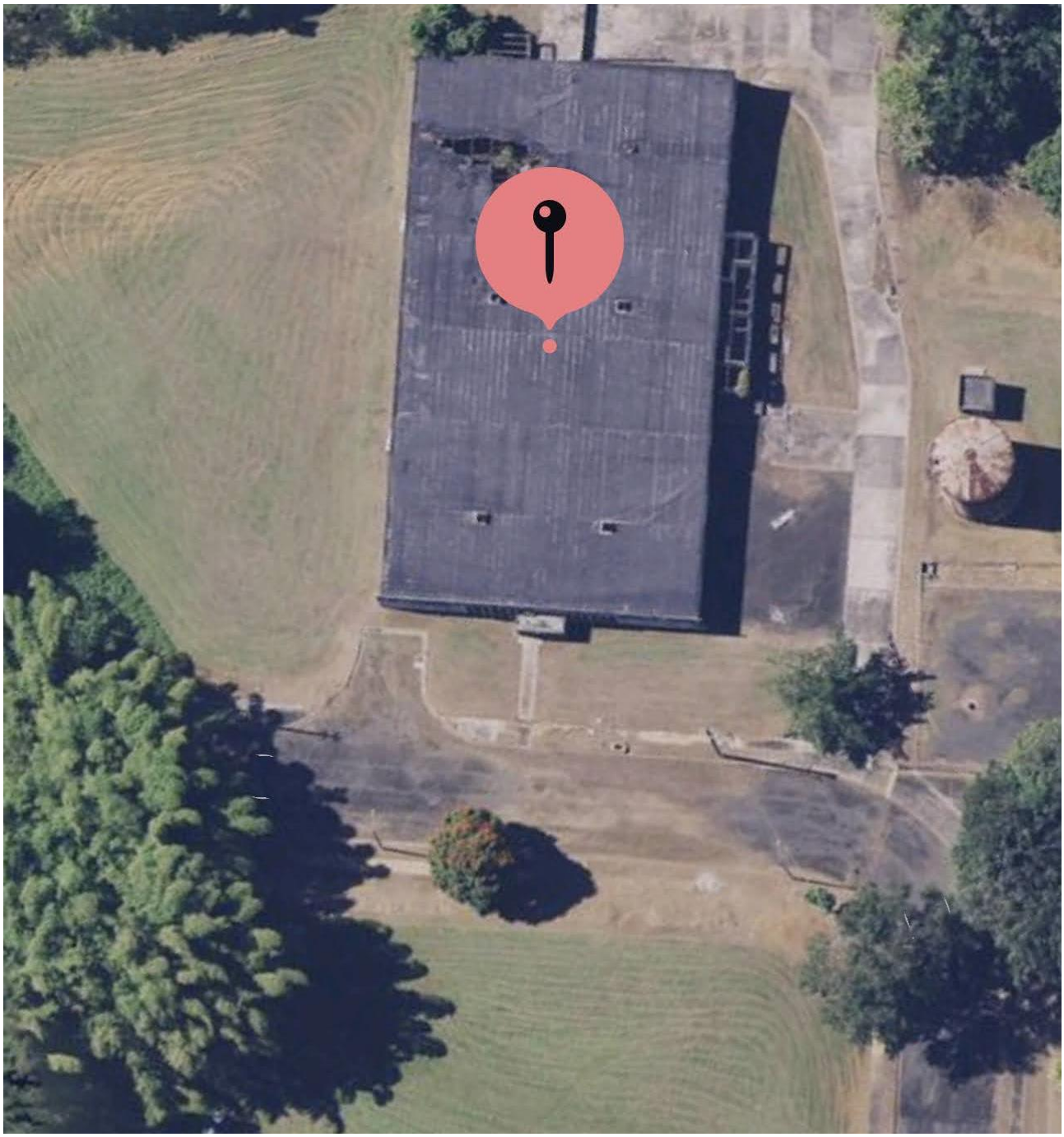


COORDINATES TO GET TO THE PROJECT:

18.18232, -66.29544

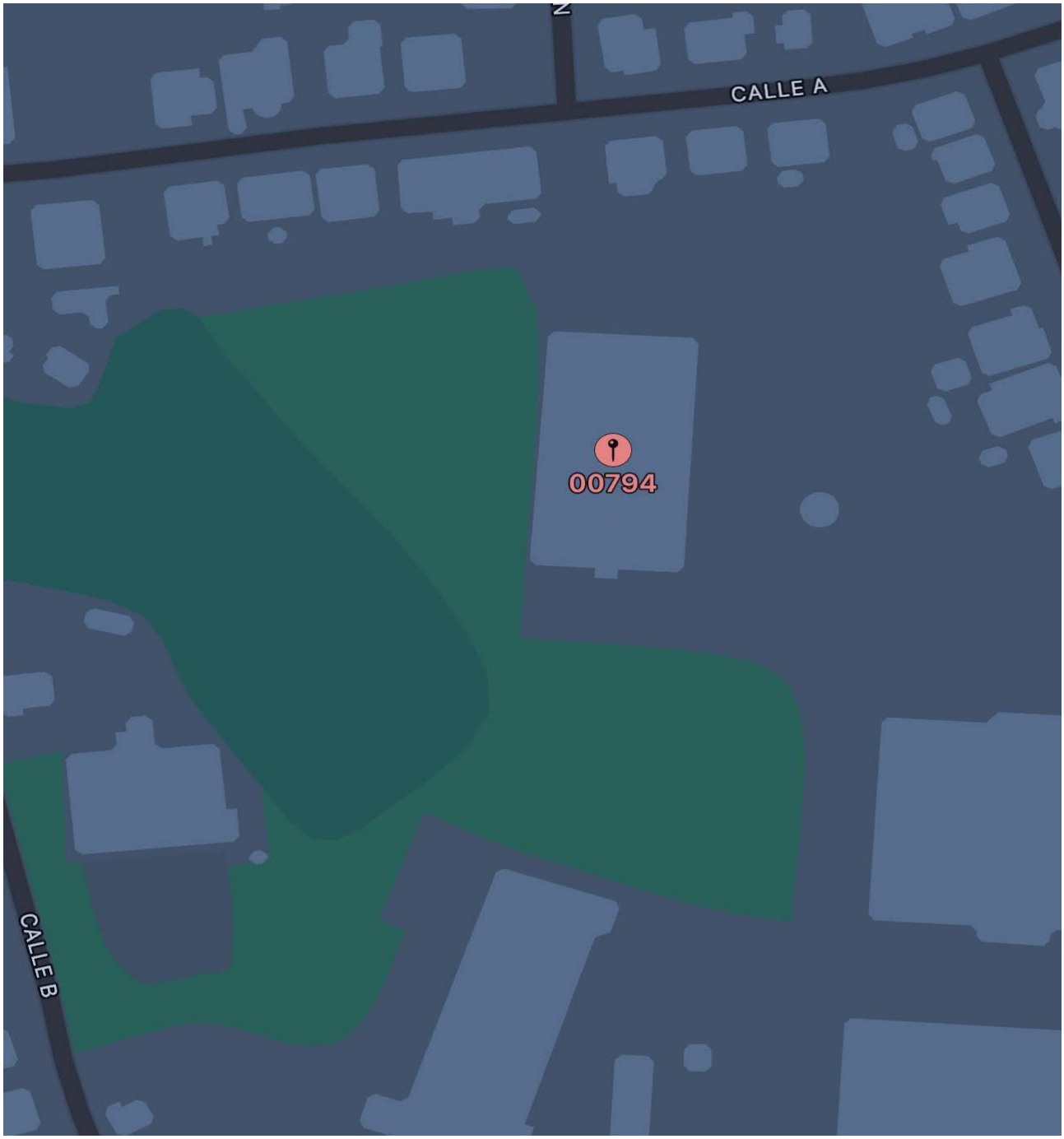
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SITE AREA



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SITE AREA

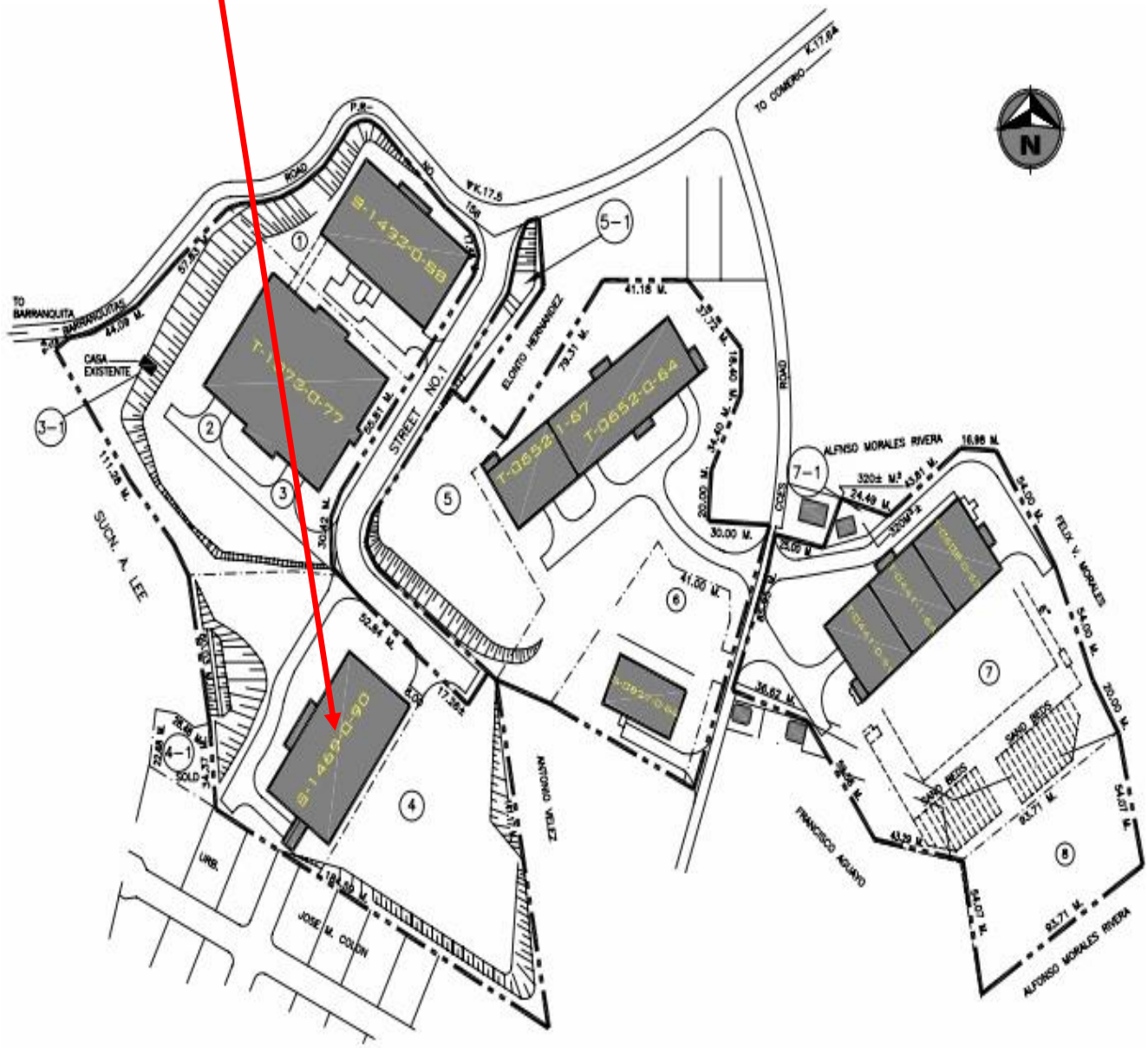


GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/Environmental Consultants Services/Industrial Hygiene/Indoor Air Quality

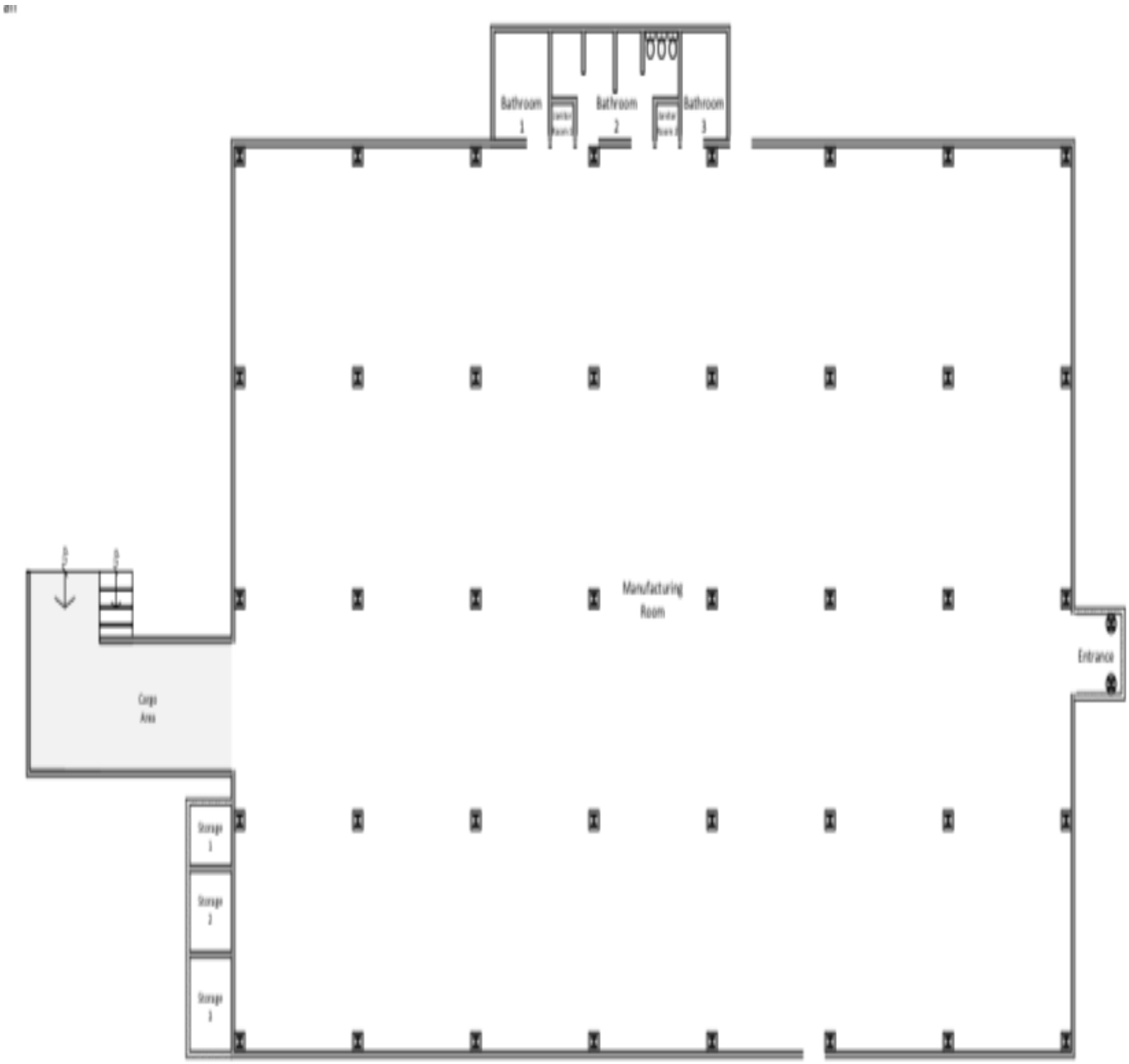
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BLG. S-1469-0-90-00 SITE AREA



NOT TO SCALE

LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE

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AERIAL VIEW



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APPENDIX II

CERTIFICATIONS GRANTED BY THE DNER OF PUERTO RICO

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ASBESTOS INSPECTOR CERTIFICATION



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APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM

PHYSICAL & HAZARD ASSESSMENT

GLOBAL ENVIRONMENTAL SERVICES LLC
Asbestos & Lead Based Paint Survey/Environmental Consultants Services/Industrial Hygiene/Indoor Air Quality
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GES- 2022-081	Asbestos Sample Inspection	Project: Building S-1469-0-90-00 in Barranquitas, PR	Client: PRIDCO	Asbestos Inspector: Mr. Elis J. Morales	Date: June 2, 2022		Page 15/28
Sample ID	*Sample Description*	*Material Category*	*Asbestos Contents %*	*Friability*			*AHERA Assessment Category (1-7, X,None)*
1469-0-90-EJ-01	*Room 1- Rooftop Area- Builtop Material*	*Misc.*	*NO DETECTED*	*NF*			*X*
1469-0-90-EJ-02	*Room 1- Rooftop Area- Builtop Material*	*Misc.*	*NO DETECTED*	*NF*			*X*
1469-0-90-EJ-03	*Room 1- Rooftop Area- Builtop Material*	*Misc.*	*NO DETECTED*	*NF*			*X*
1469-0-90-EJ-04	*Exterior Side C- Gray Transite Panel*	*Misc.*	*NO DETECTED*	*NF*			*X*

Material Category:
SM= Surfacing Materials
Misc.= Miscellaneous Materials

Friability:
F=Friable
NF= Non Friable

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APPENDIX IV

PHOTOS OF THE BULKS SAMPLES MADE IN THE STRUCTURE

RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 EM@IL: globalespr@gmail.com PHONES: 787-994-2203/ 787-607-8965



SAMPLE- 1469-0-90-EJ-01



SAMPLE- 1469-0-90-EJ-02



SAMPLE- 1469-0-90-EJ-03



SAMPLE- 1469-0-90-EJ-04

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APPENDIX V

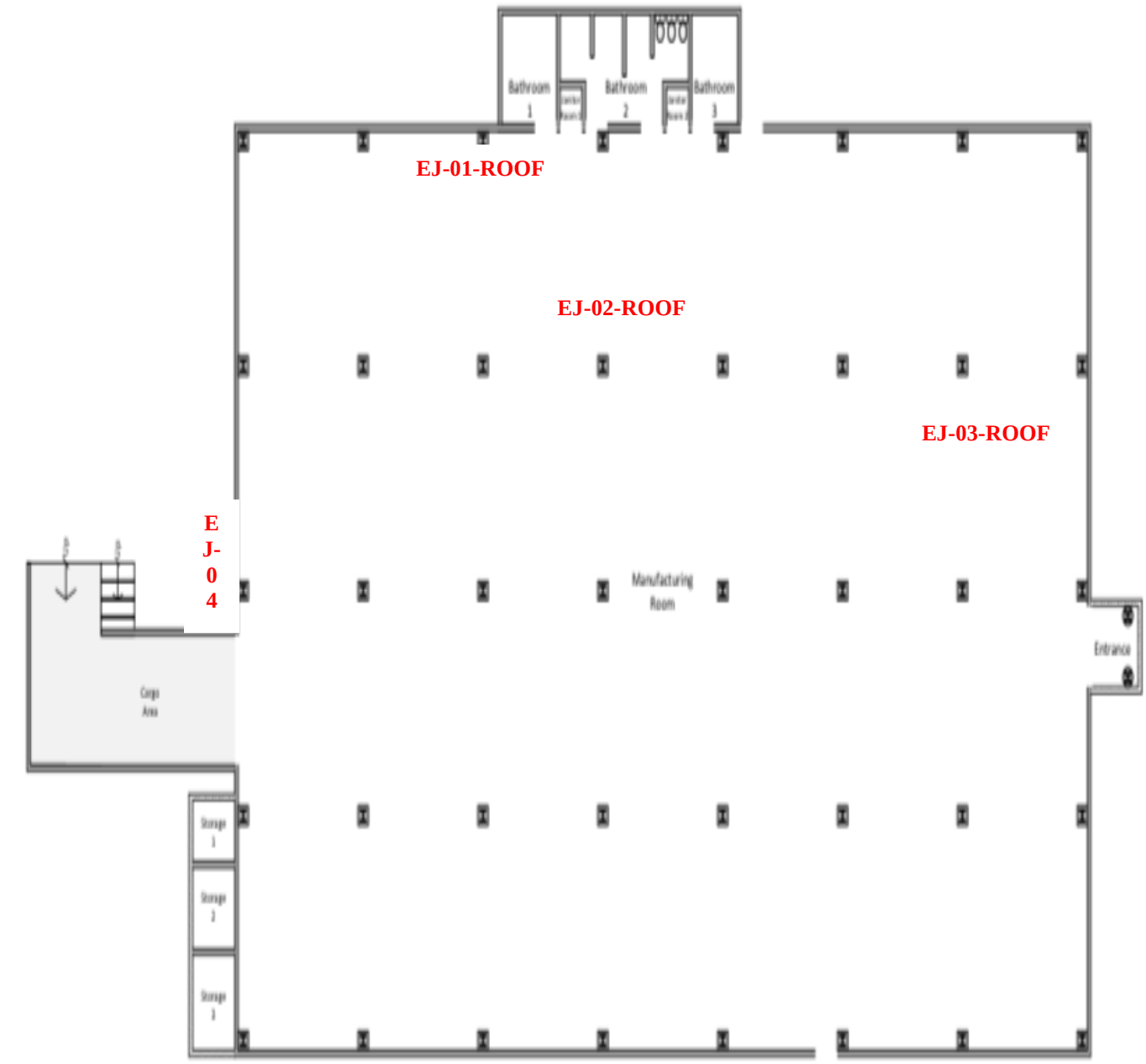
LOCATIONS OF BULKS SAMPLES TAKEN

GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/Environmental Consultants Services/Industrial Hygiene/Indoor Air Quality

RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 EM@IL: globalespr@gmail.com PHONES: 787-994-2203/ 787-607-8965

ACM BULKS SAMPLES LOCATIONS



NOT TO SCALE

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APPENDIX VI

CHAIN OF CUSTODY & ANALYTICAL RESULTS

GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/ Environmental Consultants Services/Industrial Hygiene/ Indoor Air Qua

RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 EM@IL: globalespr@gmail.com PHONES: 787-994-2203 / 787-607-896

Client: Global Environmental Services LLC
Address: RR8 Box 1995 PMB 313 Bayamón, PR 00956
Contact: Mr. Angel O. Ortega, IH
Phone/Email: 787-994-2203 /globalespr@gmail.com

Project Number: 2022-081
Project Name: STRUCTURE 5-1469-0-90 IN BARRANQUITAS, PR
Site Location: BARRANQUITAS, PR
Samplers Name: Mr. Elis J. Morales
Certified Company: Global Environmental Services LLC

CHAIN OF CUSTODY RECORD/ BULK SAMPLES ANALYSIS

1/ EM

Sample ID	Sample Description	Collected Date	Collected Time	Analysis Required PLM	Analysis Required Other	Comments	Lab. ID
1469-0-90-EJ-01	Room 1, Rooftop Area, Built Top Material	June-2, 2022	10:15 AM	—			B22060020-01
1469-0-90-EJ-02	Room 1, Rooftop Area, Built Top Material	11	10:17 AM	—			02
1469-0-90-EJ-03	Room 1, Rooftop Area Built Top Material	11	10:19 AM	—			03
1469-0-90-EJ-04	Exterior side C, Gray Transite Panel	11	10:31 AM	—			04

N/A
JUNE-2-2022
EM

TURNAROUND TIME: _____ NORMAL ✓ RUSH

Relinquished by: Elis J. Morales EMorales
Date/Time: June-2-2022
Received by: [illegible]
Lab. Name: AES
Date/Time: 6/9/22 15:40

*Job ID:B22060020
Global Environmental Services LLC

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.
611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907
PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B22060020

REPORT NUMBER

RP22061017

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Global Environmental Services LLC	Date Collected:	06/02/2022
Project Name:	Structure 5-1469-0-90 in Barranquitas, PR	Date Received:	06/09/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22060020.01 B22060020.01.A 1469-0-90-EJ-01 Layer % of Total :100% Date Analyzed: 06/10/2022 Sample Location: Room 1, Rooftop Area, Builtop Material Comments:	Hard, Bituminous with Aggregates Other - Foam and Fibers Black	No		Cellulose 2 Glass Fibers 8	Foam 15 Bitumen 70 Sand/Aggregates 5
B22060020.02 B22060020.02.A 1469-0-90-EJ-02 Layer % of Total :100% Date Analyzed: 06/10/2022 Sample Location: Room 1, Rooftop Area, Builtop Material Comments:	Hard, Bituminous with Aggregates Other - Foam and Fibers Black	No		Cellulose 2 Glass Fibers 7	Foam 10 Bitumen 75 Sand/Aggregates 6
B22060020.03 B22060020.03.A 1469-0-90-EJ-03 Layer % of Total :100% Date Analyzed: 06/10/2022 Sample Location: Room 1, Rooftop Area Builtop Material Comments:	Hard, Bituminous with Aggregates Other - foam and Fibers Black	No		Cellulose 2 Glass Fibers 8	Foam 10 Bitumen 70 Sand/Aggregates 10
B22060020.04 B22060020.04.A 1469-0-90-EJ-04 Layer % of Total :100% Date Analyzed: 06/10/2022	Hard, Aggregates with Fibers Gray	No		Synthetic 15	Sand/Aggregates 60 Binders/Paint 25

MICROANALYST: ER
[Elme Rivera]

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.
611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907
PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B22060020

NVLAP LAB CODE 200051-0 TESTING

REPORT NUMBER

RP22061017

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Global Environmental Services LLC	Date Collected:	06/02/2022
Project Name:	Structure 5-1469-0-90 in Barranquitas, PR	Date Received:	06/09/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material

Sample Location: Exterior Side C gray transite Panel

Comments:

Comments:

For all heterogeneous and layered samples easily separated into sublayers, each component is analyzed and reported separately.

Samples are analyzed by PLM using dispersion staining techniques in accordance with US EPA methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

MICROANALYST: [Elme Rivera]

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

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APPENDIX VII

LABORATORY CERTIFICATIONS

National Voluntary
Laboratory Accreditation Program

NVLAP ilac-MRA

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AES International
611 Monserrate
Santurce, PR 00907
Mr. Ady Padan
Phone: 787-722-0220 Fax: 787-724-5788
Email: yota1@bellsouth.net
http://www.aesipr.org

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200051-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

Effective 2022-01-01 through 2022-12-31

Page 1 of 1

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ilac-MRA

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200051-0

AES International

Santurce, PR

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-01-01 through 2022-12-31
Effective Dates

For the National Voluntary Laboratory Accreditation Program

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APPENDIX VIII

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Asbestos free for the Building S-1469-0-90-00 located at Road PR-156 Km. 17.7 in Barranquitas, PR as of June 2, 2022.