



Negative Lead & Asbesto Certification



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



**SAMPLING CONDUCTED AT:
BUILDING T085506700
(PW-7801) & (DI-219340)
NORTH REGION**

Located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



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April 30, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T085506700 (PW-7801) & (DI-219340) North Region located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project (Buildings areas only). 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 April 12, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-1223-0600-SI with enough experience.

During the Inspection, Inspector found suspected Asbestos Containing Materials. A total 1 bulk sample was collected in the reference building. The Asbestos Inspection work will be performed by Asbestos Hazards Emergency Response Act (AHERA) accredited asbestos inspectors under the Puerto Rico 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 was found positive materials with Asbestos** in reference project. See the following pages of the report that indicate positive areas and square feet.

TABLE 1.0 – SUMMARY OF MATERIALS WITH ASBESTOS			
FUNCTIONAL SPACE	MATERIAL	% WITH ASBESTOS	SQ. FT. APPROX.
Room 1	Black Mastic in Floor	2% Chrysotile	1,480 sq. ft. approx. (View Appendix VIII)



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ROOFTOP AREAS -(BUILT TOP OR ROOF TREATMENT) TO THE DATE- NEW CONDITIONS- INSTALLED



NOTE: THE ASBESTOS INSPECTION OF THE EXTERIOR ROOF WAS NOT CARRIED OUT SINCE THE EXISTING MEMBRANE IS UNDER WARRANTY ACCORDING TO THE CLIENT'S INSTRUCTIONS.

If remodeling or demolishing activities will be conducted in the nearest future it is recommended to remove all Asbestos Containing Materials present within the structure as to comply with NESHAP/DNER requirement.

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

- a. The building is 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.
- 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, J/S
Environmental Consultant
President

Mr. Elis J. Morales
Asbestos Inspector ASB-1223-0600-SI



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APPENDIX I

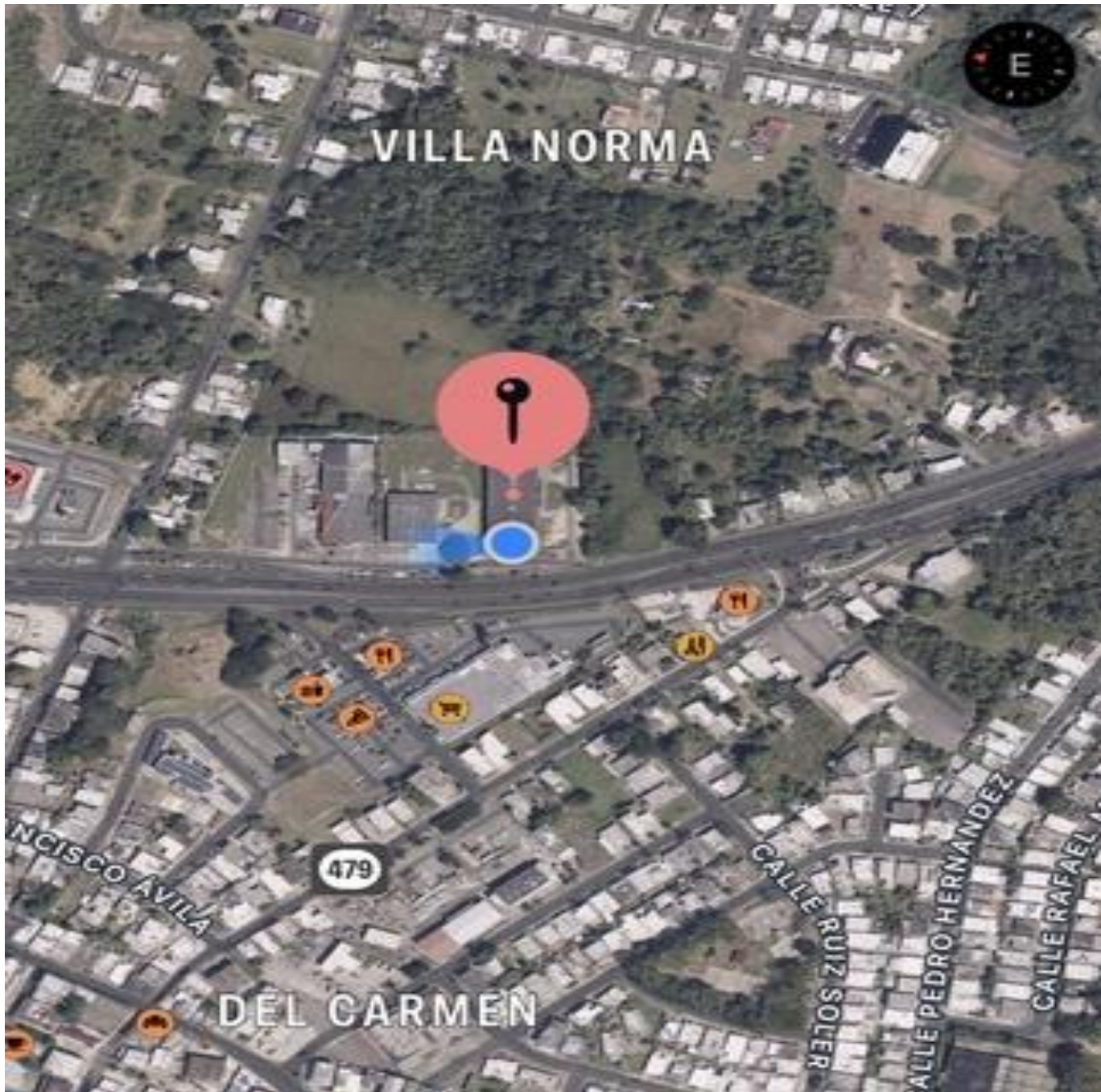
LAYOUT AND SITE LOCATIONS



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

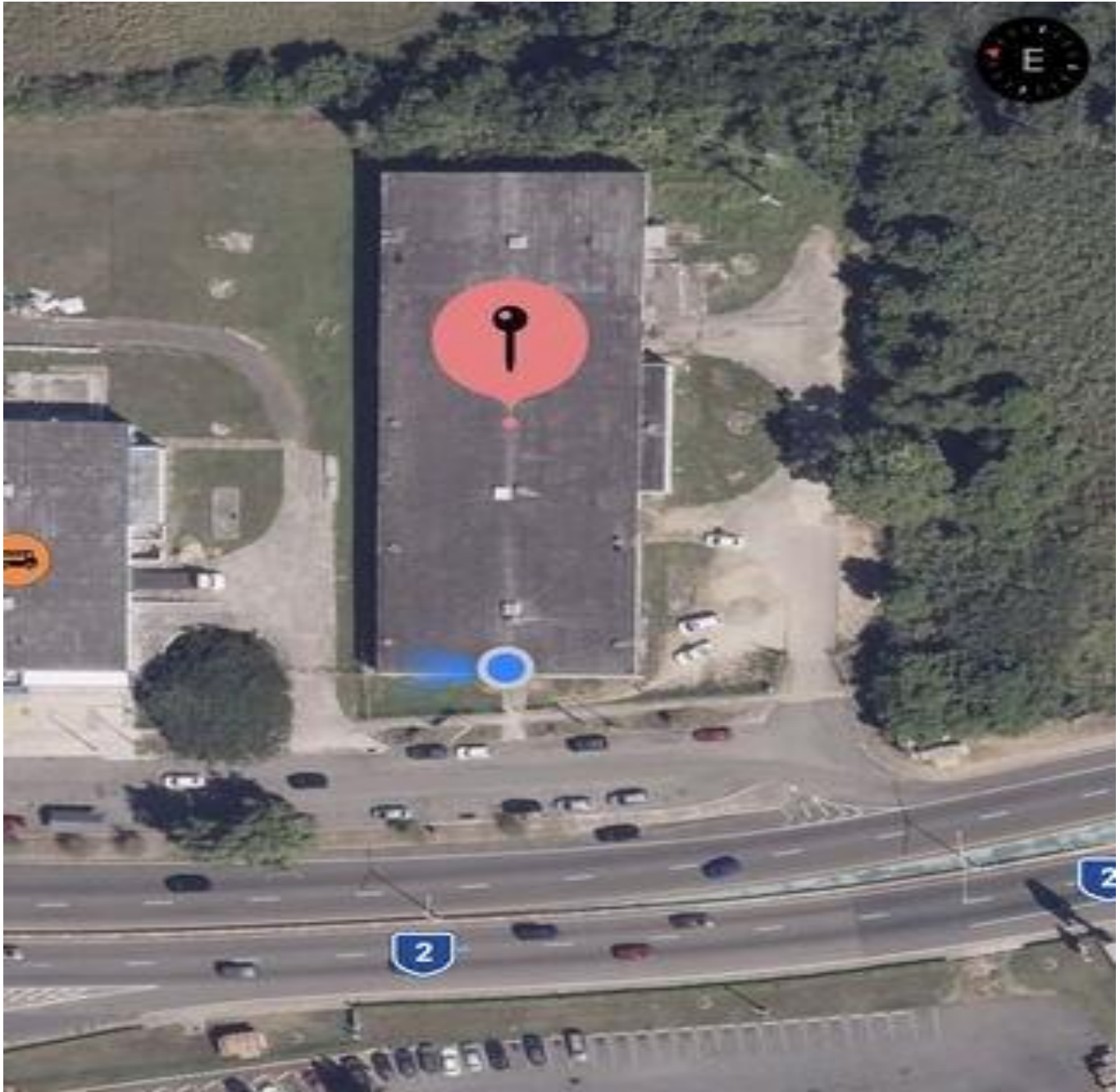
18.47181, -66.93381



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SITE AREA

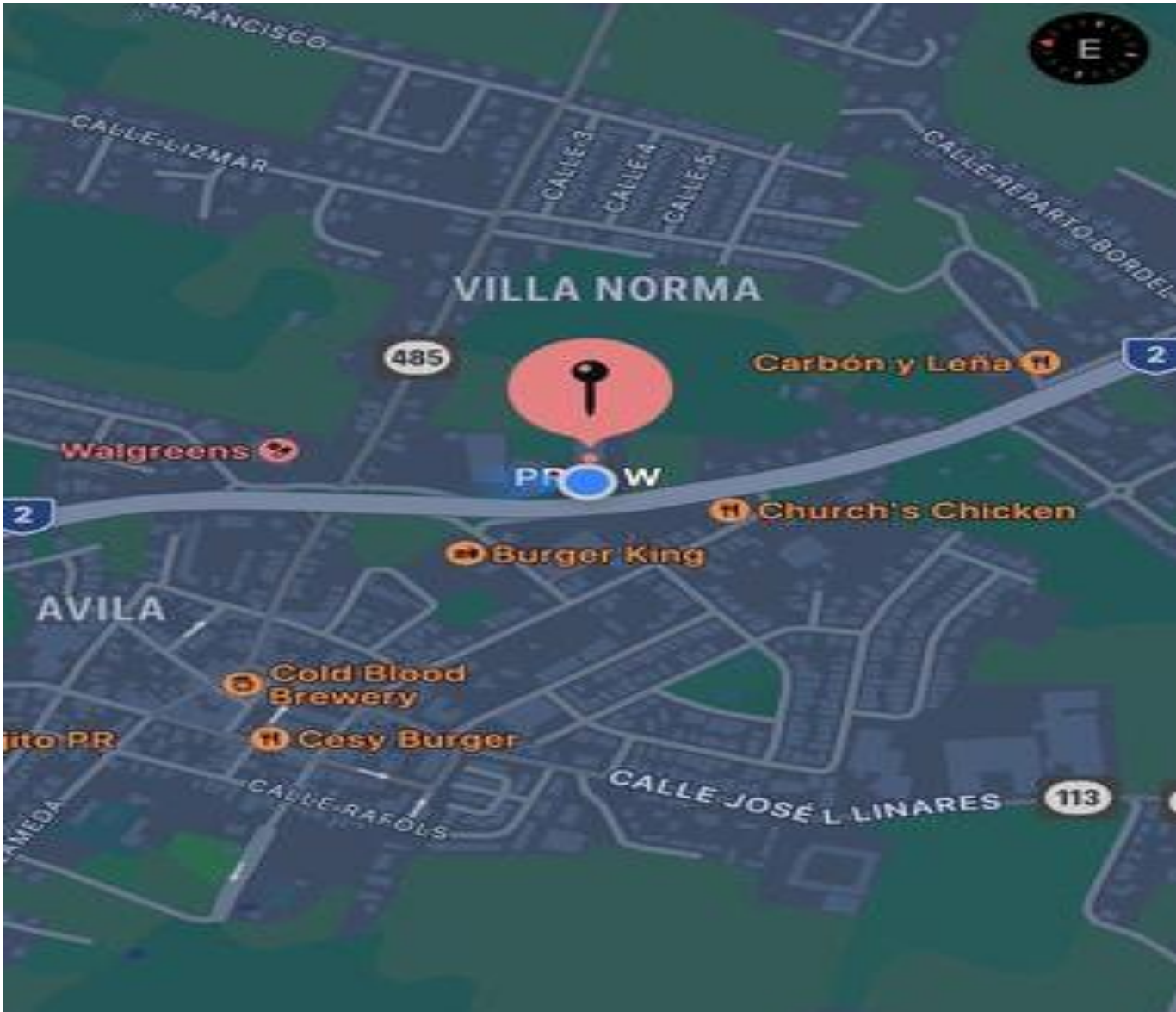




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SITE AREA

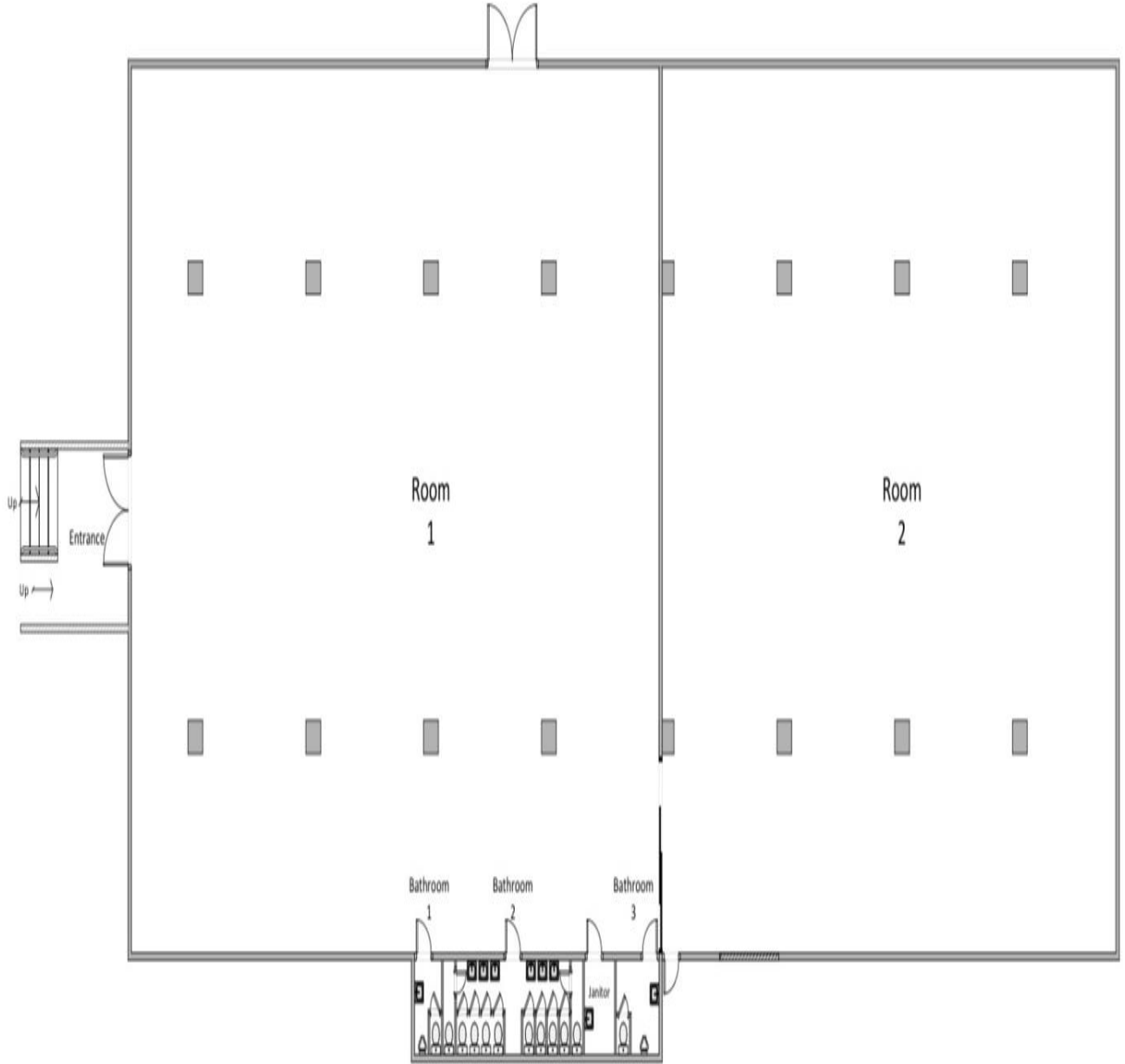




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LAYOUT AND FUNCTIONAL SPACES



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

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p>
	<p>Esta tarjeta autoriza a:</p>
	<p><i>Elis J. Morales Rivera</i></p>
	<p>Inspector</p>
	<p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.</p>
<p>ASB-1223-0600-SI</p>	
<p>Número de Registro</p>	<p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p>11-nov-2024</p>	
<p>Fecha de vencimiento</p>	



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APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM PHYSICAL & HAZARD ASSESSMENT



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GES- 2023-205	Asbestos Sample Inspection	Project: PW-7801 ID- 219340 Building T085506700 in Quebradillas, PR	Client: PRIDCO	Asbestos Inspector: Mr. Elis J. Morales	Date: April 12, 2024	Page 14/28	
<i>Sample ID</i>	<i>Sample Description</i>	<i>Material Category</i>	<i>Asbestos Contents %</i>	<i>Friability</i>			<i>AHERA Assessment Category (1-7, X, None)</i>
219340-EJ-01	Room 1- Black Mastic	Misc.	2% Chrysotile	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
BUILDING**



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SAMPLE-219340-EJ-01



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APPENDIX V

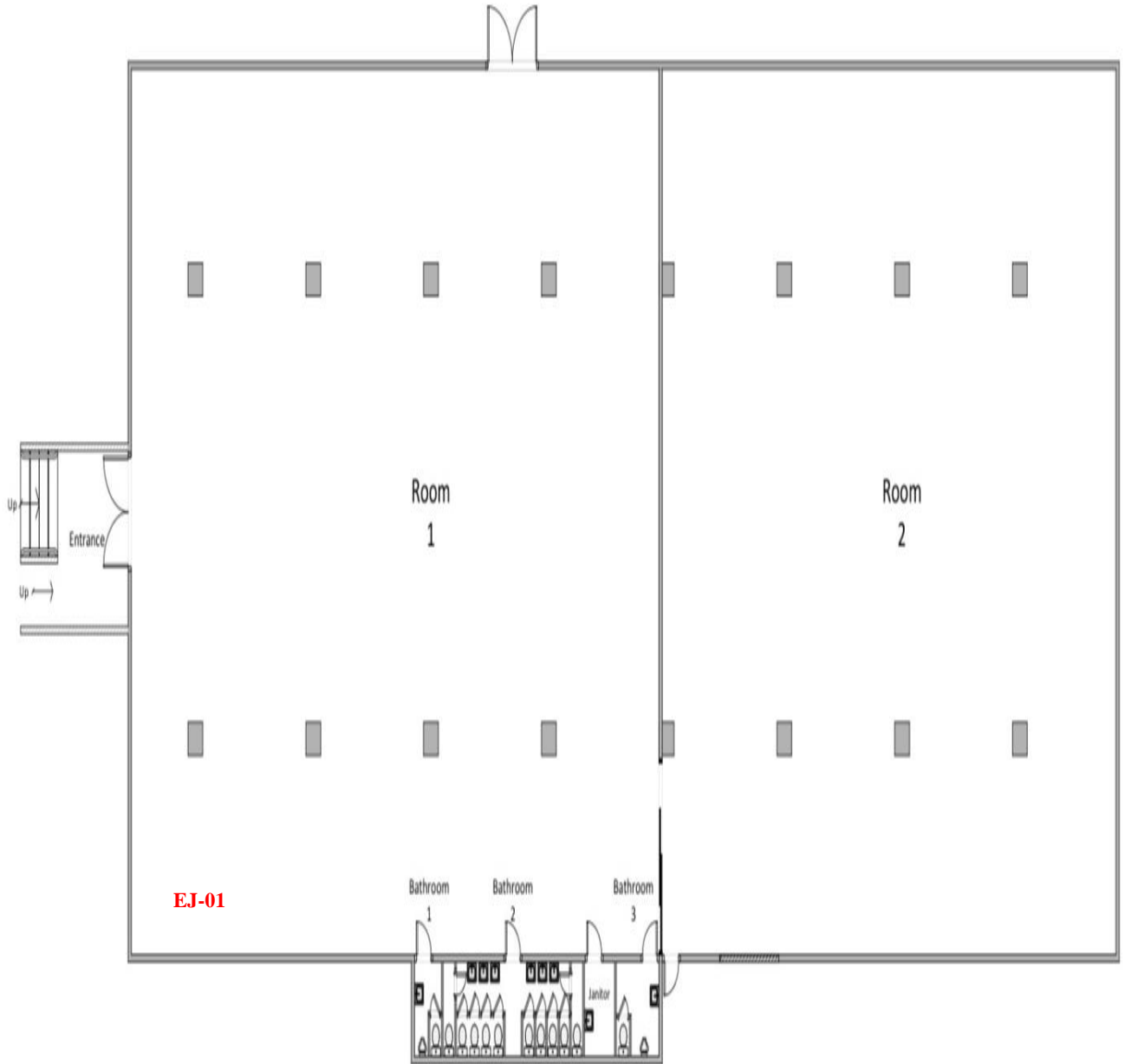
LOCATIONS OF BULKS SAMPLES TAKEN



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ACM BULKS SAMPLES LOCATIONS



NOT TO SCALE



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APPENDIX VI

CHAIN OF CUSTODY & ANALYTICAL RESULTS



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OrderID: 172401835



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS DIVISION

Asbestos Chain of Custody

EMSL Order Number (lab use only):

172401835

EMSL ANALYTICAL, INC.
19501 NE 10th AVE BAY A
N. MAJMI BEACH, FL 33179
PHONE: (305)650-0577
FAX: (305) 650-0578

Company Name :Global Environmental Services, LLC Jabels		EMSL Customer ID:	+56GLOE33
Street: RR8 BOX 1995 PMB 313		City: BAYAMON	State or Province: PR
Zip/Postal Code: 00956	Country: US	Telephone #: (787) 607-8965	Fax #:
Report To (Name): Angel O. Ortega		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: globalespr@gmail.com		Purchase Order Number:	
Client Project ID: RJ- 7801 / DI- 219340/ED- TOBS 50067000		EMSL Project ID (Internal use only):	
State or Province Collected: Quezamilias, PR		CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If bill to is different note instructions in comment. Third party billing requires written authorization from third party			
Turnaround Time (TAT) Options Please Check			
<input type="checkbox"/> 3 Hr ¹ <input type="checkbox"/> 4-4.5Hr ¹ <input type="checkbox"/> 6 Hr ¹ <input type="checkbox"/> 24 Hr <input type="checkbox"/> 32 Hr ² <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> 96 Hr <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>¹Premium Service Charge applies for 3 Hour TEM AHERA or EPA Level II TAT - you will be asked to sign an authorization form. TEM Air 3-6 Hour, please call ahead to schedule ² 32 Hour TAT available for select tests only; samples must be submitted by 1:30am.</small>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB Point Count (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable - NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air¹ <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM- Settled Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil - Rock - Vermiculite (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM <small>*Lower reporting limits available on request</small> Other test (please specify):			
<input type="checkbox"/> Stop At First Positive (clearly identify homogenous areas below)		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Sampler's Name: ELIS J. MORALES		Sampler's Signature:	
Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
219340-EJ-01	ROOM 1 AREA, BLACK MASTIC	N/A	April-12-2024 9:10 AM
N/A		APR-12-2024	
Client Sample # (s): 219340-EJ-01		Total # of Samples: 1	
Relinquished by (Client):		Date: April-12-2024	Time: 9:57 AM
Received by (Lab):		Date:	Time:
Comments/Special Instructions:		 By: 1:05 PM	

Controlled Document - COC-05 Asbestos - R12 - 03032019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.

Page 1 of 1 pages



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EMSL Analytical, Inc.

19501 NE 10th Ave. Bay A N. Miami Beach, FL 33179
Tel/Fax: (305) 650-0577 / (305) 650-0578
http://www.EMSL.com / miamilab@emsl.com

EMSL Order: 172401835
Customer ID: GLES75
Customer PO:
Project ID:

Attention: Angel Ortega
Global Environmental Services, LLC
RR8 BOX 1995
PMB 313
Bayamon, 00956
Project: PW-7801 / DI -219340/ID-I08550 67000 Quebradillas, PR

Phone: (787) 994-2203
Fax:
Received Date: 04/23/2024 1:05 PM
Analysis Date: 04/24/2024
Collected Date: 04/12/2024

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
219340-EJ-01	Mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
172401835-0001					

Analyst(s)
Deanna Caliste (1)

Kimberly A. Wallace
Kimberly Wallace, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.
Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 04/24/2024 13:38:31



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APPENDIX VII

TABLE SUMMARY OF MATERIALS WITH ASBESTOS



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TABLE SUMMARY OF MATERIALS WITH ASBESTOS

MATERIAL	FUNCTIONAL SPACES	% WITH ASBESTOS	QUANTITY
Black Mastic in Floor	Room 1	2% Chrysotile	1,480 sq. ft. approx. (View Appendix VIII)



Room 1

Black Mastic in Floor with Asbestos



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APPENDIX VIII

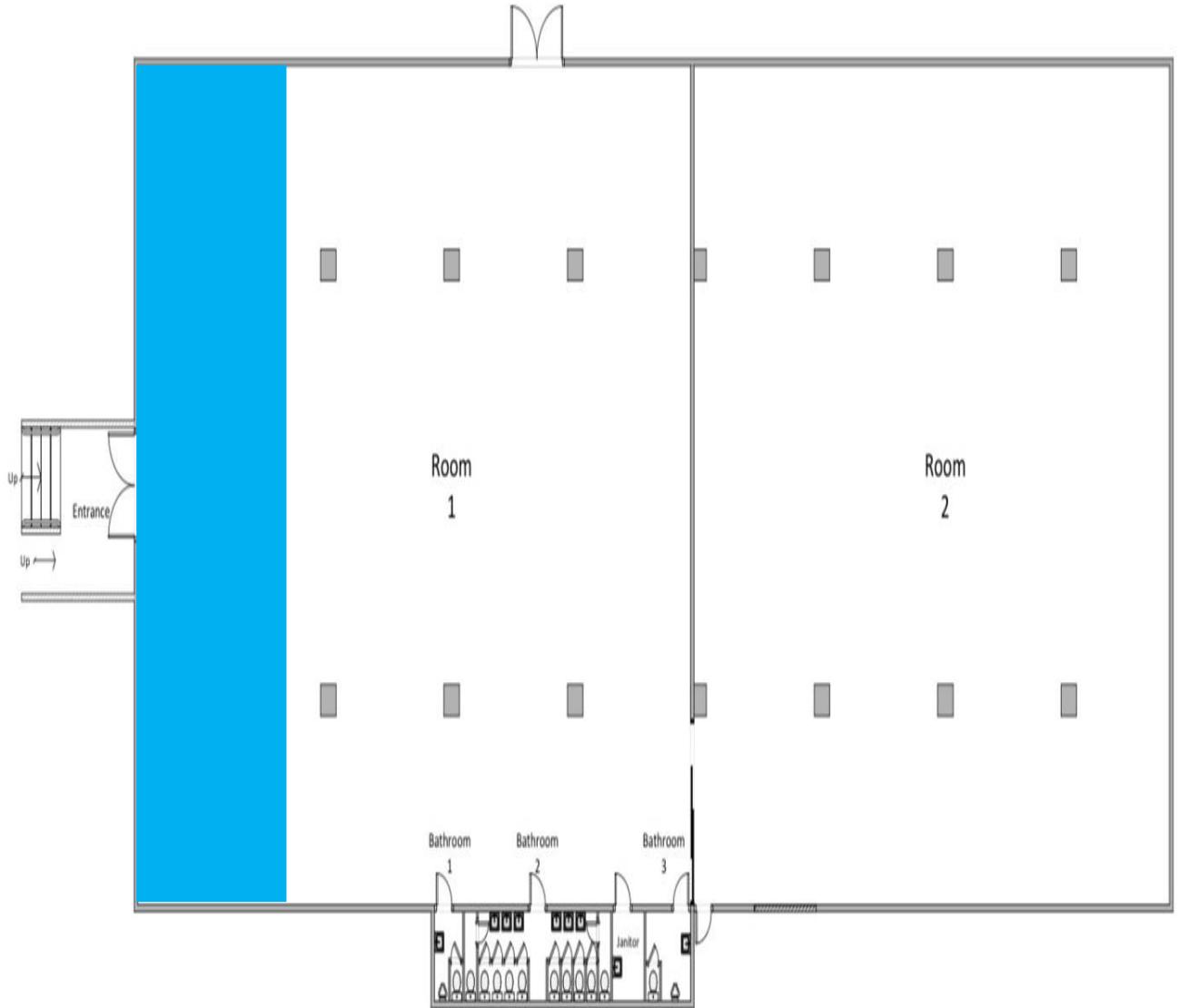
***AREAS WHERE THE POSITIVE MATERIALS ARE
FOUND WITH ASBESTOS***



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ACM POSITIVE RESULTS LOCATIONS



NOT TO SCALE

 = **BLACK MASTIC IN FLOOR WITH ASBESTOS**



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APPENDIX IX

LABORATORY CERTIFICATIONS



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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

*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).*

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



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APPENDIX X

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of the owner to hire a Certified Company by Department of Natural and Environmental Resources of Puerto Rico to removal and dispose positive area with Asbestos Containing Material if is going to touch, remodeling or demolish the reference project.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



**SAMPLING CONDUCTED AT:
BUILDING T085506700
(PW-7801) & (DI-219340)
NORTH REGION**

Located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



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April 30, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T085506700 (PW-7801) & (DI-219340) North Region located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (Building areas only).

The Lead Paint Standard is in Addendum I of the Report. Site area, Layout and Functional Spaces in Addendum III of the report.

The Inspection performance with Thermo Fisher Scientific XRF Niton Model Xlp 300A Serial Number #101094 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint Inspection was conducted on April 12, 2024 & April 22, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-24823-299 with enough experience.

The project consisted of evaluation in all components in Building located in Quebradillas, PR. During the evaluation **all components were negative** with Lead Based Paint in said project.

Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.



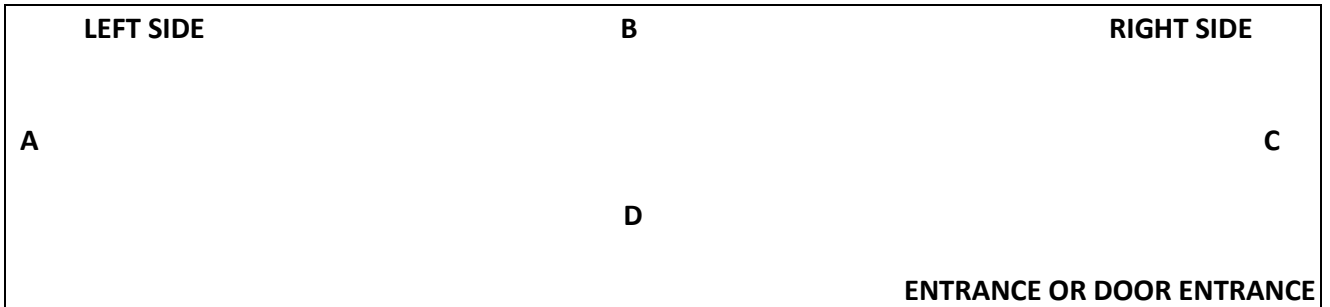
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TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm ² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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
Lead Based Paint Inspector LBPI-24823-299



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ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com	Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com	Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLP 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

SITE AREA & FUNCTIONAL SPACES



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SITE AREA



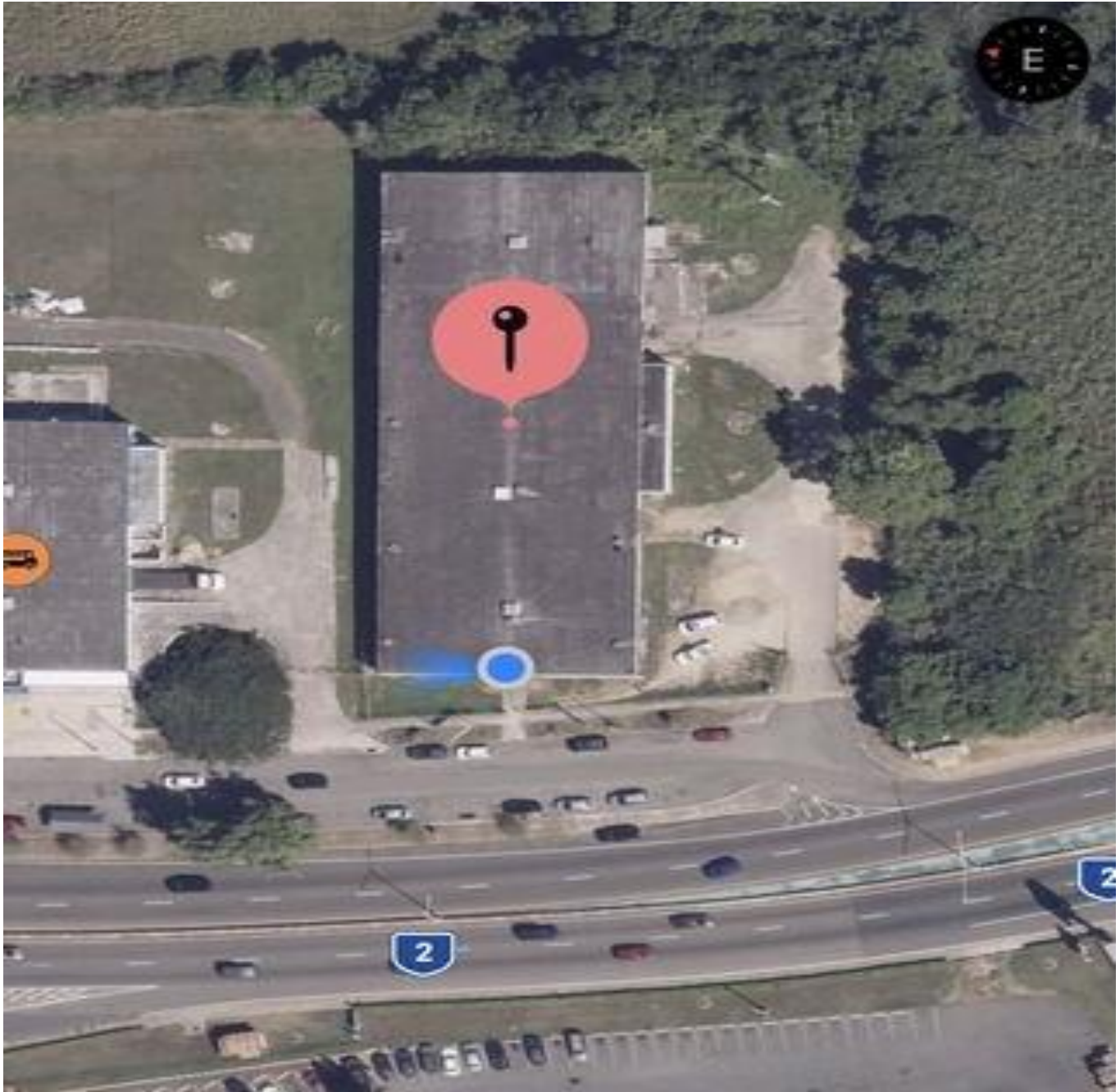
**COORDINATES TO GET TO THE PROJECT:
18.47181, -66.93381**



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SITE AREA

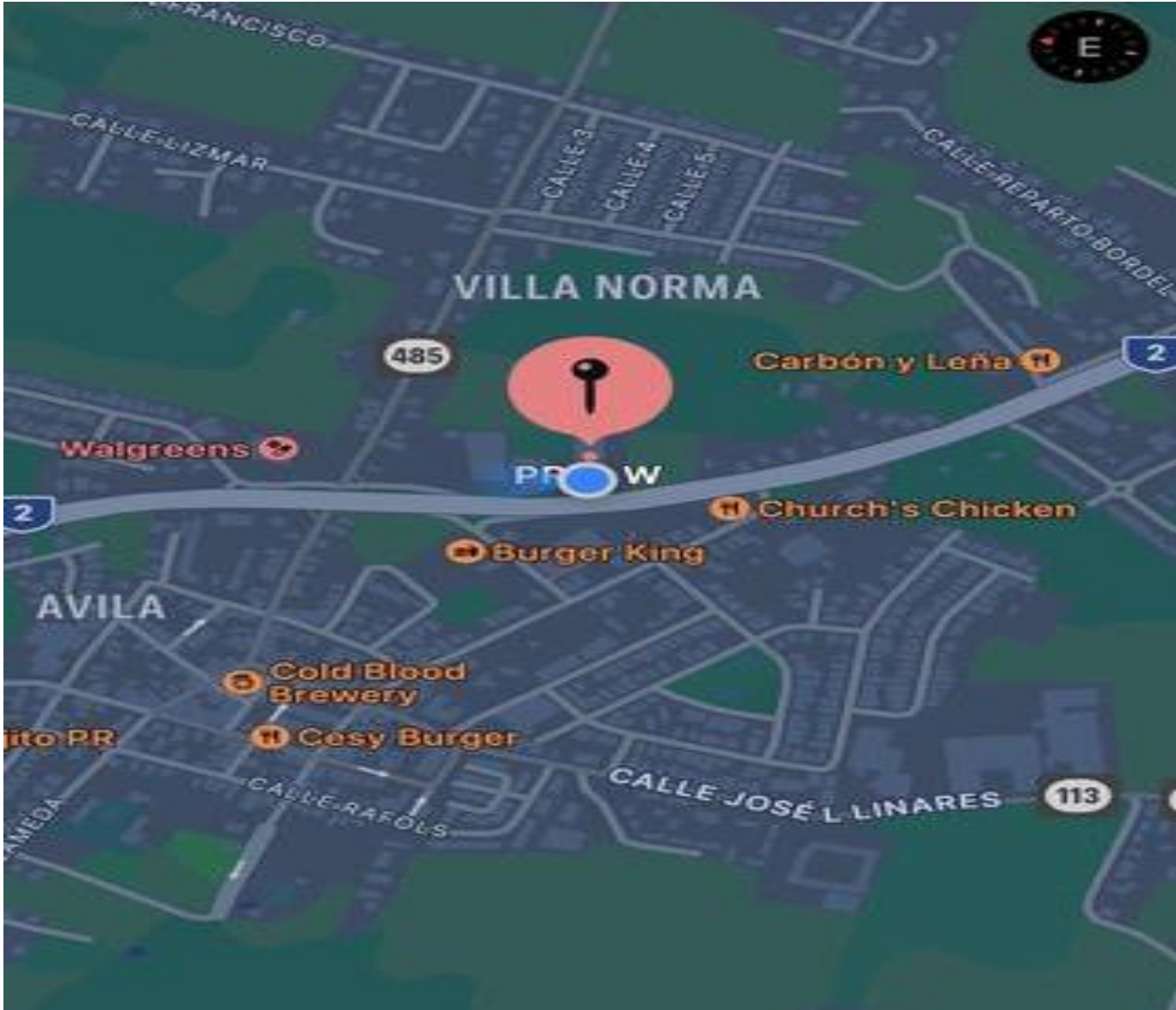




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SITE AREA

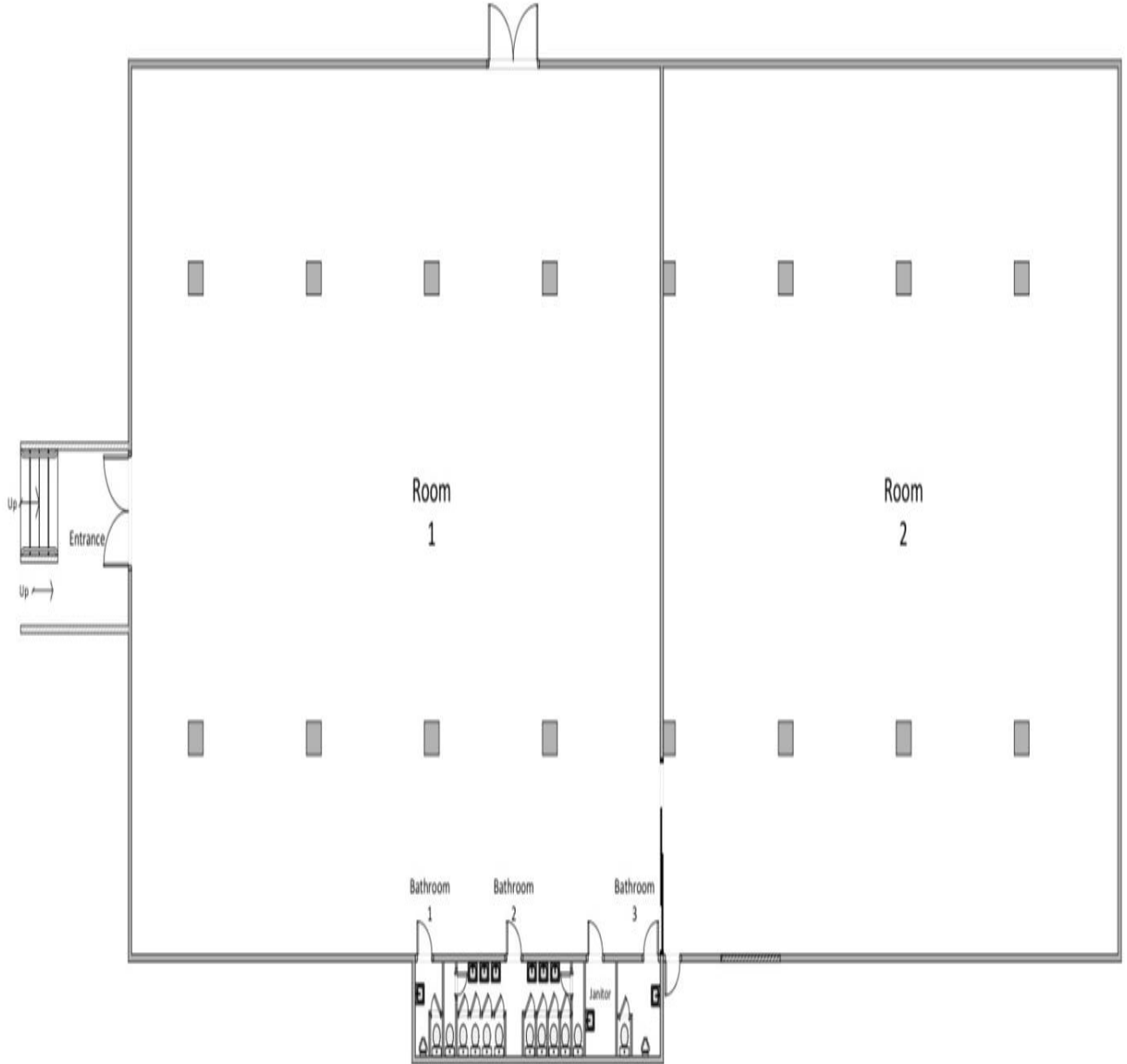




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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AERIAL VIEW





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ADDENDUM IV

**CERTIFICATIONS GRANTED BY THE DEPARTMENT OF NATURAL
AND ENVIRONMENTAL RESOURCES OF PUERTO RICO**



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





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MR. ELIS J. MORALES - LEAD BASED PAINT INSPECTOR CERTIFICATION





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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: April 12, 2024	Page 21/29	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
1	Calibrate				0.9		
2	Calibrate				1.0		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Fence	A	Metal	0.00	Neg.	
9	Exterior	Fence	B	Metal	0.00	Neg.	
10	Exterior	Fence	C	Metal	0.00	Neg.	
11	Exterior	Fence	D	Metal	0.00	Neg.	
12	Exterior	Gate	A	Metal	0.00	Neg.	
13	Exterior	Gate	A	Metal	0.00	Neg.	
14	Entrance Stair	Floor	Floor	Concrete	0.00	Neg.	
15	Entrance Stair	Handrail	A	Metal	0.01	Neg.	
16	Entrance Stair	Handrail	C	Metal	0.01	Neg.	
17	Room 1	Gate	D	Metal	0.02	Neg.	
18	Room 1	Door	D	Metal	0.02	Neg.	
19	Room 1	Door Frame	D	Metal	0.02	Neg.	
20	Room 1	Wall	A	Concrete	0.01	Neg.	
21	Room 1	Wall	B	Concrete	0.01	Neg.	
22	Room 1	Wall	C	Concrete	0.02	Neg.	
23	Room 1	Wall	D	Concrete	0.02	Neg.	
24	Room 1	Floor	Floor	Concrete	0.00	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/		Environmental Consultants/		Industrial Hygiene/ Indoor Air Quality		
	DNER Permits / EPA Permits & Certifications		Client: PRIDCO		LBP Inspector: Mr. Elis J. Morales		
XRF Serial Number: 101094		Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR		Date: April 12, 2024		Page 22/29	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
25	Room 1	Ceiling	Top	Concrete	0.01	Neg.	
26	Room 1	Column	Center Side	Concrete	0.01	Neg.	
27	Room 1	Column	Center Side	Concrete	0.01	Neg.	
28	Room 1	Column	Center Side	Concrete	0.01	Neg.	
29	Room 1	Column	Center Side	Concrete	0.01	Neg.	
30	Room 1	Column	Center Side	Concrete	0.01	Neg.	
31	Room 1	Column	Center Side	Concrete	0.01	Neg.	
32	Room 1	Gate	A	Metal	0.02	Neg.	
33	Room 1	Door	A	Metal	0.02	Neg.	
34	Room 1	Door Frame	A	Metal	0.02	Neg.	
35	Room 1	Door	C	Metal	0.02	Neg.	
36	Room 1	Door Frame	C	Metal	0.02	Neg.	
37	Bathroom 1	Door	D	Wood	0.01	Neg.	
38	Bathroom 1	Door Frame	D	Wood	0.01	Neg.	
39	Bathroom 1	Wall	A	Concrete	0.01	Neg.	
40	Bathroom 1	Wall	B	Concrete	0.01	Neg.	
41	Bathroom 1	Wall	C	Concrete	0.02	Neg.	
42	Bathroom 1	Wall	D	Concrete	0.02	Neg.	
43	Bathroom 1	Wall Tile	A	Ceramic	0.02	Neg.	
44	Bathroom 1	Wall Tile	B	Ceramic	0.02	Neg.	
45	Bathroom 1	Wall Tile	C	Ceramic	0.02	Neg.	
46	Bathroom 1	Wall Tile	D	Ceramic	0.02	Neg.	
47	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	



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	XRF Serial Number: 101094	Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales				
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.	
48	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.		
49	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.		
50	Bathroom 1	Urinal	B	Ceramic	0.02	Neg.		
51	Bathroom 1	Sink	C	Ceramic	0.01	Neg.		
52	Bathroom 2	Door	D	Wood	0.01	Neg.		
53	Bathroom 2	Door Frame	D	Wood	0.01	Neg.		
54	Bathroom 2	Wall	A	Concrete	0.01	Neg.		
55	Bathroom 2	Wall	B	Concrete	0.01	Neg.		
56	Bathroom 2	Wall	C	Concrete	0.02	Neg.		
57	Bathroom 2	Wall	D	Concrete	0.02	Neg.		
58	Bathroom 2	Wall Tile	A	Ceramic	0.02	Neg.		
59	Bathroom 2	Wall Tile	B	Ceramic	0.02	Neg.		
60	Bathroom 2	Wall Tile	C	Ceramic	0.02	Neg.		
61	Bathroom 2	Wall Tile	D	Ceramic	0.02	Neg.		
62	Bathroom 2	Floor Tile	Floor	Ceramic	0.02	Neg.		
63	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.		
64	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
65	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
66	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
67	Bathroom 2	Toilet	B	Ceramic	0.02	Neg.		
68	Bathroom 2	Toilet	B	Ceramic	0.02	Neg.		
69	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
70	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
71	Bathroom 2	Toilet	B	Ceramic	0.02	Neg.		



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GES 2023- 205	Asbestos & Lead Based Paint Survey / Environmental Consultants / Industrial Hygiene / Indoor Air Quality		DNER Permits / EPA Permits & Certifications		Date: April 12, 2024		Page 24/29	
	XRF Serial Number: 101094	Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales				
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.	
72	Bathroom 2	Toilet	B	Ceramic	0.02	Neg.		
73	Bathroom 2	Toilet	B	Ceramic	0.02	Neg.		
74	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
75	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
76	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
77	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
78	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
79	Bathroom 2	Sink	D	Ceramic	0.02	Neg.		
80	Bathroom 3	Door	D	Wood	0.01	Neg.		
81	Bathroom 3	Door Frame	D	Wood	0.01	Neg.		
82	Bathroom 3	Wall	A	Concrete	0.01	Neg.		
83	Bathroom 3	Wall	B	Concrete	0.01	Neg.		
84	Bathroom 3	Wall	C	Concrete	0.02	Neg.		
85	Bathroom 3	Wall	D	Concrete	0.02	Neg.		
86	Bathroom 3	Wall Tile	A	Ceramic	0.02	Neg.		
87	Bathroom 3	Wall Tile	B	Ceramic	0.02	Neg.		
88	Bathroom 3	Wall Tile	C	Ceramic	0.02	Neg.		
89	Bathroom 3	Wall Tile	D	Ceramic	0.02	Neg.		
90	Bathroom 3	Floor Tile	Floor	Ceramic	0.02	Neg.		
91	Bathroom 3	Ceiling	Top	Concrete	0.02	Neg.		
92	Bathroom 3	Sink	A	Ceramic	0.01	Neg.		
93	Bathroom 3	Urinal	B	Ceramic	0.02	Neg.		
94	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.		
95	Room 2	Sliding Gate	D	Metal	0.02	Neg.		



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GES 2023- 205	Asbestos & Lead Based Paint Survey / Environmental Consultants / Industrial Hygiene / Indoor Air Quality		DNER Permits / EPA Permits & Certifications		Date: April 12, 2024		Page 25/29	
	XRF Serial Number: 101094	Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales				
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.	
96	Room 2	Wall	A	Concrete	0.01	Neg.		
97	Room 2	Wall	B	Concrete	0.01	Neg.		
98	Room 2	Wall	C	Concrete	0.02	Neg.		
99	Room 2	Wall	D	Concrete	0.02	Neg.		
100	Room 2	Floor	Floor	Concrete	0.00	Neg.		
101	Room 2	Ceiling	Top	Concrete	0.01	Neg.		
102	Room 2	Column	Center	Concrete	0.01	Neg.		
103	Room 2	Column	Center	Concrete	0.01	Neg.		
104	Room 2	Column	Center	Concrete	0.01	Neg.		
105	Room 2	Column	Center	Concrete	0.01	Neg.		
106	Room 2	Column	Center Side	Concrete	0.01	Neg.		
107	Room 2	Column	Center Side	Concrete	0.01	Neg.		
108	Room 2	Rolling Door	C	Metal	0.02	Neg.		
109	Calibrate				1.0			
110	Calibrate				1.0			
111	Calibrate				1.0			



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GES 2023- 205	Asbestos & Lead Based Paint Survey / Environmental Consultants / Industrial Hygiene / Indoor Air Quality		DNER Permits / EPA Permits & Certifications		Date: April 22, 2024		Page 26/29	
	XRF Serial Number: 101094	Project: Building T085506700 PW-7801 DI-219340 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales				
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.	
112	Calibrate				1.0			
113	Calibrate				0.9			
114	Calibrate				1.0			
115	Janitor	Door	D	Wood	0.02	Neg.		
116	Janitor	Door Frame	D	Wood	0.02	Neg.		
117	Janitor	Wall	A	Concrete	0.01	Neg.		
118	Janitor	Wall	B	Concrete	0.01	Neg.		
119	Janitor	Wall	C	Concrete	0.02	Neg.		
120	Janitor	Wall	D	Concrete	0.02	Neg.		
121	Janitor	Floor	Floor	Concrete	0.00	Neg.		
122	Janitor	Ceiling	Top	Concrete	0.01	Neg.		
123	Janitor	Sink	C	Ceramic	0.02	Neg.		
124	Calibrate				1.0			
125	Calibrate				1.1			
126	Calibrate				1.1			



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ADDENDUM VI

LEAD BASED PAINT NEGATIVE CERTIFICATION



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GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Elis J. Morales, mayor de edad, casado, y vecino de Naranjito
(Inspector o Evaluador de Riesgos) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 607 - 8965 Ext. _____
Fax () _____

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (Inspector / Evaluador de Riesgos) con Número de Certificación LBPI-24823-299, la cual se encuentra vigente.
2. La estructura localizada en Edificio T085506700 PW-7801 DI-219340 Carretera PR-2 Km. 100.8 Bo. San José en Quebradillas, PR, la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico, hoy día 23 de abril de 2024
(Municipio)

LBPI-24823-299

Firma del Inspector o Evaluador de Riesgos (en original)

Nota : Deberá someter evidencia de la tarjeta o certificado provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8638, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





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ADDENDUM VII

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Lead Based Paint free for the **Building T085506700 PW-7801 DI-219340** located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR of April 23, 2024.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



**SAMPLING CONDUCTED AT:
BUILDING T095407000
(PW-7801) & (DI-219341)
NORTH REGION**

Located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

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May 1, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T095407000 (PW-7801) & (DI-219341) North Region located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project (Buildings areas only). 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 April 22, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-1223-0600-SI with enough experience.

During the Inspection, Inspector found suspected Asbestos Containing Materials. A total (6) 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 Puerto Rico 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 was found positive materials with Asbestos** in reference project. See the following pages of the report that indicate positive areas and square feet.



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

TABLE 1.0 – SUMMARY OF MATERIALS WITH ASBESTOS

FUNCTIONAL SPACE	MATERIAL	% WITH ASBESTOS	SQ. FT. APPROX.
ROOFTOP AREA	Built Top & Flashing (Roofing Materials)	5% Chrysotile	25,498 sq. ft. approx. (View Appendix VIII)

If remodeling or demolishing activities will be conducted in the nearest future it is recommended to remove all Asbestos Containing Materials present within the structure as to comply with NESHAP/DNER requirement.

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

- a. The building is 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.
- 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, J/S
Environmental Consultant
President

Mr. Elis J. Morales
Asbestos Inspector ASB-1223-0600-SI



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APPENDIX I

LAYOUT AND SITE LOCATIONS



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.47261, -66.93409



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SITE AREA

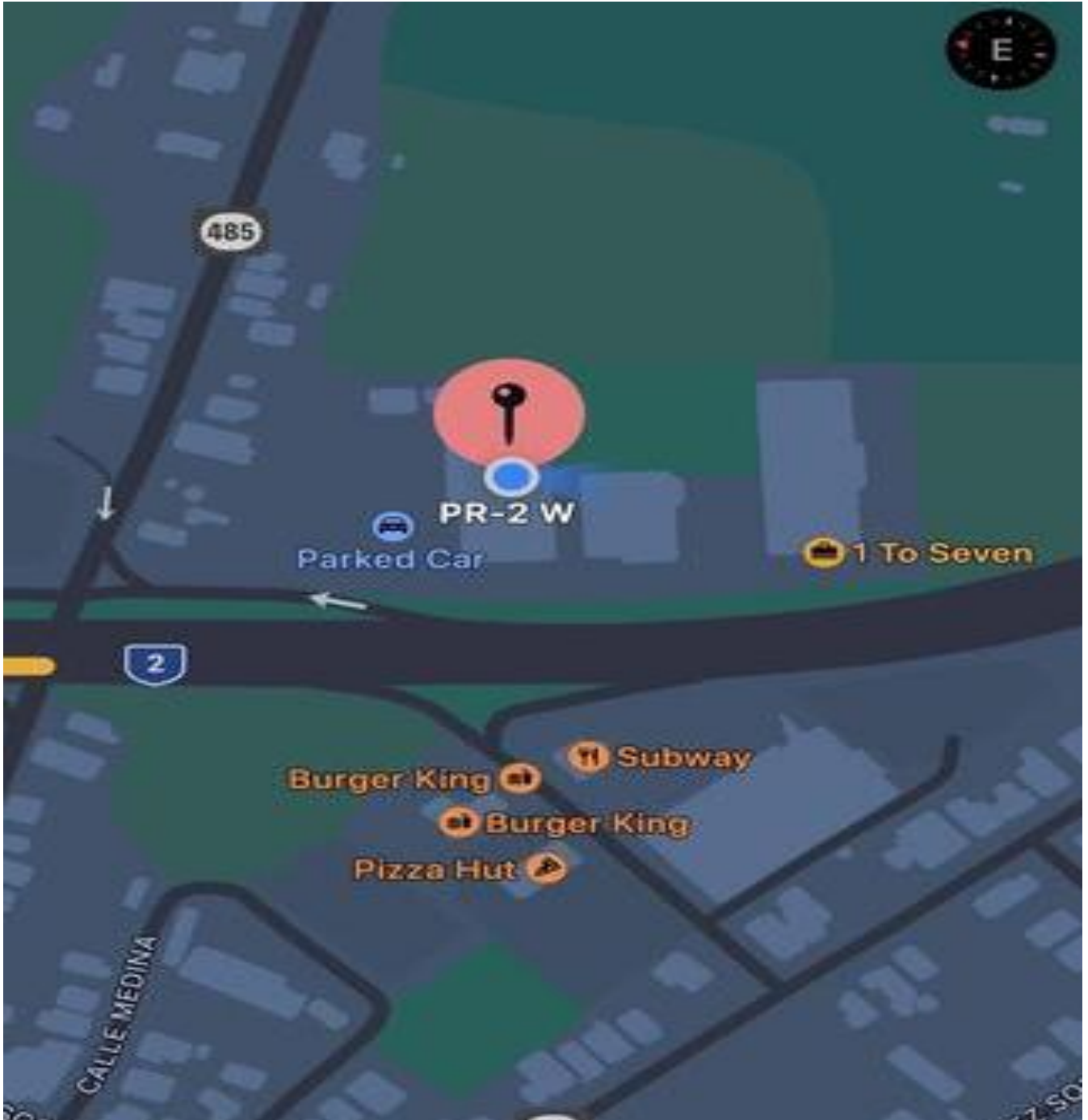




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SITE AREA

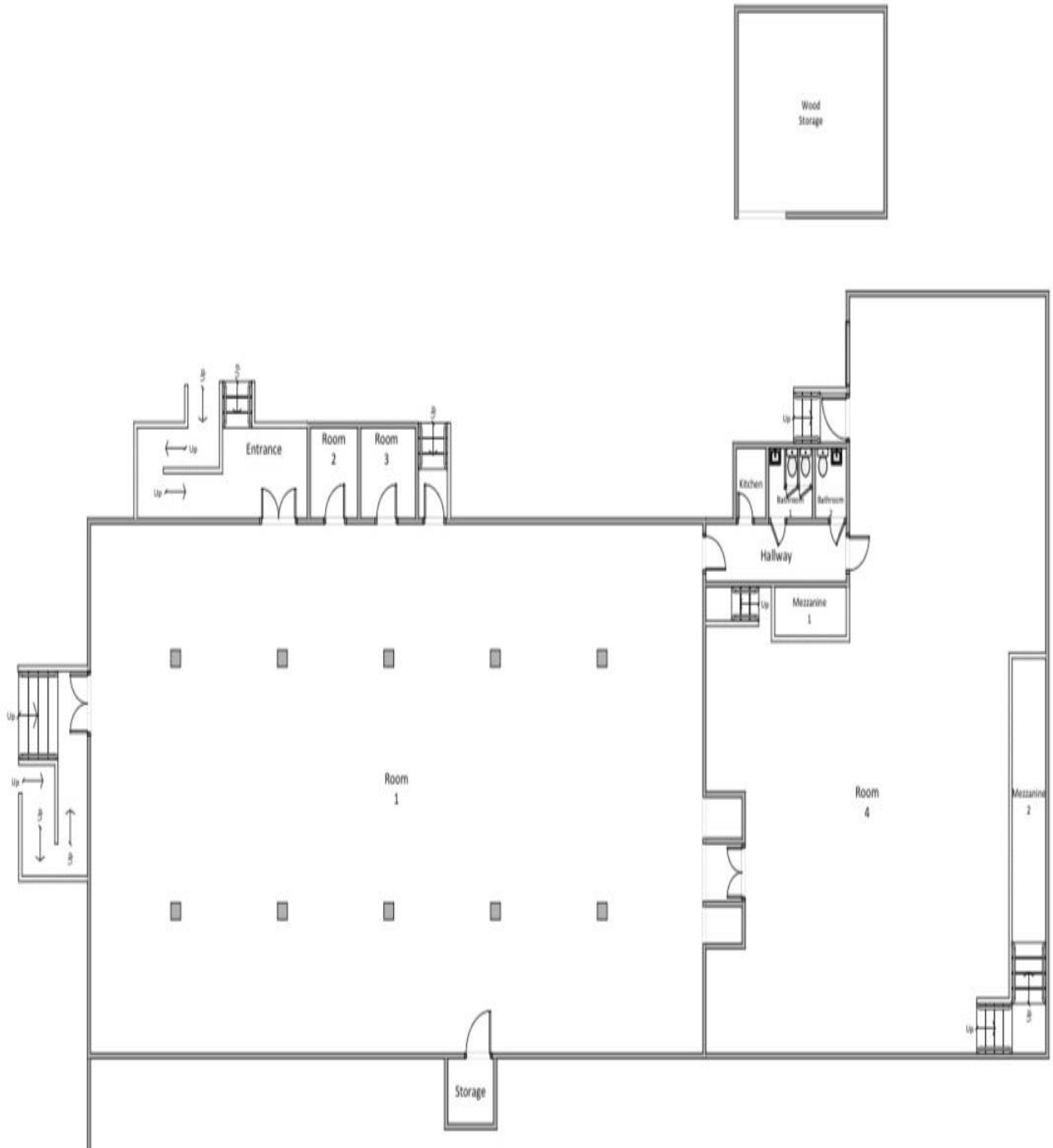




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LAYOUT AND FUNCTIONAL SPACES



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

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p>
	<p>Esta tarjeta autoriza a:</p>
	<p><i>Elis J. Morales Rivera</i> Inspector</p>
	<p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.</p>
<p>ASB-1223-0600-SI</p>	
<p>Número de Registro</p>	<p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p>11-nov-2024</p>	
<p>Fecha de vencimiento</p>	



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APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM PHYSICAL & HAZARD ASSESSMENT



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GES- 2023-205	Asbestos Sample Inspection	Project: PW-7801 ID- 219341 Building T095407000 in Quebradillas, PR	Client: PRIDCO	Asbestos Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 14/32	
Sample ID	Sample Description	Material Category	Asbestos Contents %	Friability			AHERA Assessment Category (1-7, X, None)
219341-EJ-01	Room 1- Black Vinyl Baseboard	Misc.	NO DETECTED	NF			X
219341-EJ-02	Lunch Room- Black Vinyl Baseboard	Misc.	NO DETECTED	NF			X
219341-EJ-03	Rooftop- Built Top Material (Flashing)	Misc.	5% Chrysotile	NF			X
219341-EJ-04	Rooftop- Built Top Material	Misc.	NO DETECTED	NF			X
219341-EJ-05	Rooftop- Built Top Material	Misc.	NO DETECTED	NF			X
219341-EJ-06	Rooftop- Built Top Material	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
BUILDING***



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SAMPLE-219341-EJ-01



SAMPLE-219341-EJ-02



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SAMPLE-219341-EJ-03



SAMPLE-219341-EJ-04



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SAMPLE-219341-EJ-05



SAMPLE-219341-EJ-06



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APPENDIX V

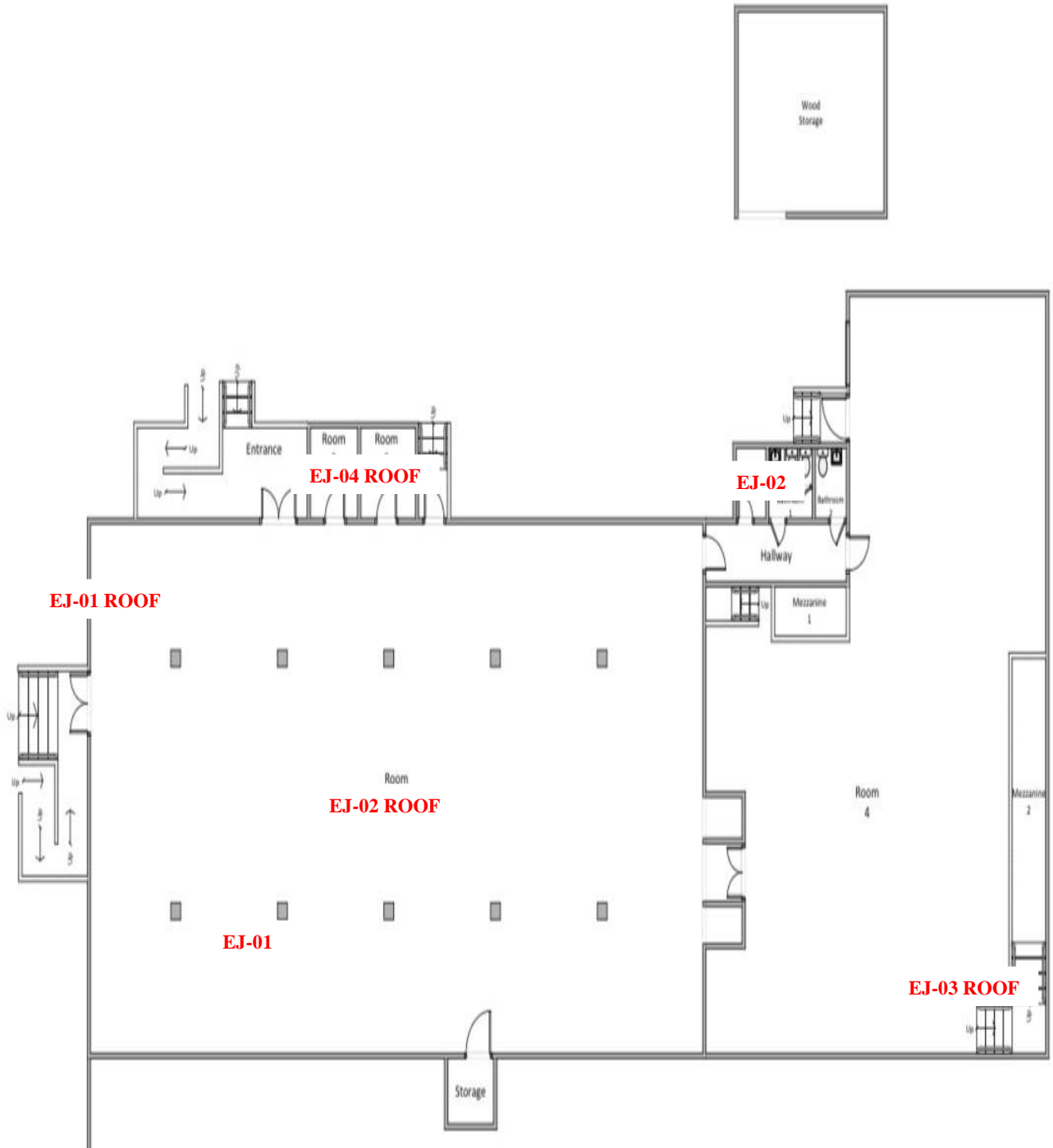
LOCATIONS OF BULKS SAMPLES TAKEN



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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/ Industrial Hygiene/ Indoor Air Quality
DNER Permits / EPA Permits & Certifications

OrderID: 172401898



Asbestos Chain of Custody

EMSL Order Number (lab use only):

172401898

EMSL ANALYTICAL, INC.
19501 NE 10TH AVE BAY A
N. MAIMI BEACH, FL 33179
PHONE: (305)650-0577
FAX: (305) 650-0578

Company Name: Global Environmental Services, LLC <small>Jabels</small>		EMSL Customer ID: +56GLOE33	
Street: RR8 BOX 1995 PMB 313		City: BAYAMON State or Province: PR	
Zip/Postal Code: 00956 Country: US		Telephone #: (787) 607-8965 Fax #:	
Report To (Name): Angel O. Ortega		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: globalespr@gmail.com		Purchase Order Number:	
Client Project ID: Pw-7801 / DC-219341		EMSL Project ID (Internal use only):	
State or Province Collected: Quezadillas, PR		CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If bill to is different note instructions in comment. Third party billing requires written authorization from third party			
Turnaround Time (TAT) Options Please Check			
<input type="checkbox"/> 3 Hr ¹ <input type="checkbox"/> 4-4.5Hr ¹ <small>AMERA only</small> <input type="checkbox"/> 6 Hr ¹ <input type="checkbox"/> 24 Hr <input type="checkbox"/> 32 Hr ² <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> 96 Hr <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>¹Premium Service Charge applies for 3 Hour TEM AHERA or EPA Level II TAT - you will be asked to sign an authorization form. TEM Air 3-6 Hour, please call ahead to schedule ² 32 Hour TAT available for select tests only; samples must be submitted by 11:30am.</small>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB Point Count (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable - NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air¹ <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		TEM- Settled Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil - Rock - Vermiculite (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM <small>*Lower reporting limits available on request</small> Other test (please specify):	
<input type="checkbox"/> Stop At First Positive (clearly identify homogenous areas below)		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Sampler's Name: Elis J. Morales		Sampler's Signature:	
Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
219341-ES-01	Room 1 AREA, BLACK VINYL BASEBOARD	N/A	April - 22 - 2024 10:31 AM
219341-ES-02	LUNCH ROOM AREA, BLACK VINYL BASEBOARD	N/A	April - 22 - 2024 10:27 AM
219341-ES-03	ROOFTOP AREA, BUILDUP MATERIAL (FLASHING)	N/A	April - 22 - 2024 10:51 AM
219341-ES-04	ROOFTOP AREA, BUILDUP MATERIAL	N/A	April - 22 - 2024 10:54 AM
219341-ES-05	ROOFTOP AREA, BUILDUP MATERIAL	N/A	April - 22 - 2024 10:56 AM
Client Sample # (s): 219341-ES-01 - 219341-ES-06		Total # of Samples: 4	
Relinquished by (Client): Elis J. Morales		Date: April - 22 - 2024	Time: 11:37 AM
Received by (Lab):		Date:	Time:
Comments/Special Instructions:			

Controlled Document - COC-05 Asbestos - R12 - 09032019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.

RECEIVED
APR 26 2024
By: 2:05 PM

Page 1 of 2 pages



GLOBAL ENVIRONMENTAL SERVICES LLC

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

OrderID: 172401898



EMSL ANALYTICAL, INC.
LABORATORY SERVICES

Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

[Empty box for EMSL Order Number]

EMSL ANALYTICAL, INC.
19501 NE 10TH AVE BAY A
N. MAIMI BEACH, FL 33179
PHONE: (305)650-0577
FAX: (305) 650-0578

Additional pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
21934-ES-04	RooF TOP AREA, SOLID TP MATERIAL	N/A	April - 22 - 2024 10:59 AM
<i>N/A</i>			
<i>April - 22 - 2024</i>			
<i>(Signature)</i>			
*Comments/Special Instructions:			

Certified Document - COC05 Asbestos - R12 - 09/03/2019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.



GLOBAL ENVIRONMENTAL SERVICES LLC

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



EMSL Analytical, Inc.

19501 NE 10th Ave. Bay A N. Miami Beach, FL 33179
Tel/Fax: (305) 650-0577 / (305) 650-0578
<http://www.EMSL.com> / miamilab@emsl.com

EMSL Order: 172401898
Customer ID: GLES75
Customer PO:
Project ID:

Attention: Angel Ortega
Global Environmental Services, LLC
RR8 BOX 1995
PMB 313
Bayamon, 00956
Project: PW-7801 / DI-219341 Quebradillas, PR

Phone: (787) 994-2203
Fax:
Received Date: 04/26/2024 2:05 PM
Analysis Date: 04/29/2024
Collected Date: 04/22/2024

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
219341-EJ-01 <i>172401898-0001</i>	Vinyl Baseboard	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
219341-EJ-02-Baseboard <i>172401898-0002</i>	Vinyl Baseboard	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
219341-EJ-02-Mastic <i>172401898-0002A</i>	Vinyl Baseboard	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
219341-EJ-03 <i>172401898-0003</i>	Builtup Material (Flashing)	Black Non-Fibrous Heterogeneous	15% Cellulose	80% Non-fibrous (Other)	5% Chrysotile
219341-EJ-04 <i>172401898-0004</i>	Builtup Material	Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
219341-EJ-05 <i>172401898-0005</i>	Builtup Material	Black Fibrous Heterogeneous	5% Synthetic 20% Glass	75% Non-fibrous (Other)	None Detected
219341-EJ-06 <i>172401898-0006</i>	Builtup Material	Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected

Analyst(s)

Kim Wallace (7)

Kimberly Wallace, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 04/30/2024 09:05:25



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APPENDIX VII

TABLE SUMMARY OF MATERIALS WITH ASBESTOS



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TABLE SUMMARY OF MATERIALS WITH ASBESTOS

MATERIAL	FUNCTIONAL SPACES	% WITH ASBESTOS	QUANTITY
Built Top & Flashing (Roofing Materials)	Rooftop Area	5% Chrysotile	25,498 sq. ft. approx. (View Appendix VIII)



Rooftop area

Built Top & Flashing with Asbestos



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APPENDIX VIII

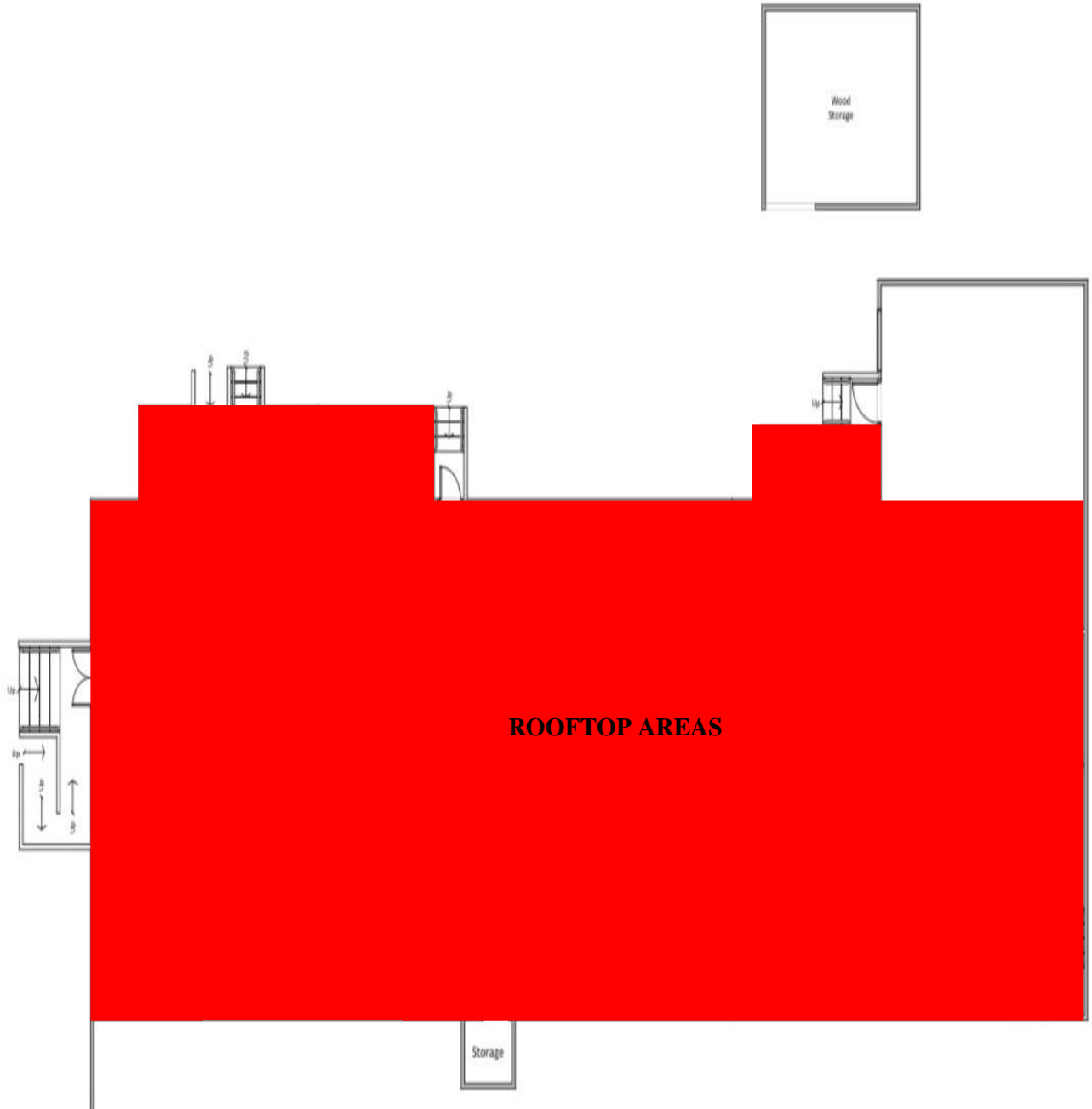
***AREAS WHERE THE POSITIVE MATERIALS ARE
FOUND WITH ASBESTOS***



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ACM POSITIVE RESULTS LOCATIONS- ROOFTOP AREA



NOT TO SCALE

 = BUILT TOP & FLASHING WITH ASBESTOS



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ACM POSITIVE RESULTS LOCATIONS- ROOFTOP AREA



NOT TO SCALE



= BUILT TOP & FLASHING WITH ASBESTOS



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APPENDIX IX

LABORATORY CERTIFICATIONS



GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

*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).*

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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APPENDIX X

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of the owner to hire a Certified Company by Department of Natural and Environmental Resources of Puerto Rico to removal and dispose positive area with Asbestos Containing Material if is going to touch, remodeling or demolish the reference project.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



**SAMPLING CONDUCTED AT:
BUILDING T095407000
(PW-7801) & (DI-219341)
NORTH REGION**

Located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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TABLE OF CONTENT

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Addendum II Performance Characteristic Sheet (PCS)- XRF Niton Xlp 300A	7-10
Addendum III Site Area & Layout areas	11-16
Addendum IV Certifications granted by the DNER of Puerto Rico	17-19
Addendum V LBP Testing Combinations	20-28
Addendum VI Lead Based Paint Negative Certification	29-30
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GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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April 30, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T0095407000 (PW-7801) & (DI-219341) North Region located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (Building areas only).

The Lead Paint Standard is in Addendum I of the Report. Site area, Layout and Functional Spaces in Addendum III of the report.

The Inspection performance with Thermo Fisher Scientific XRF Niton Model Xlp 300A Serial Number #101094 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint Inspection was conducted on April 22, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-24823-299 with enough experience.

The project consisted of evaluation in all components in Building located in Quebradillas, PR. During the evaluation **all components were negative** with Lead Based Paint in said project.

Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.



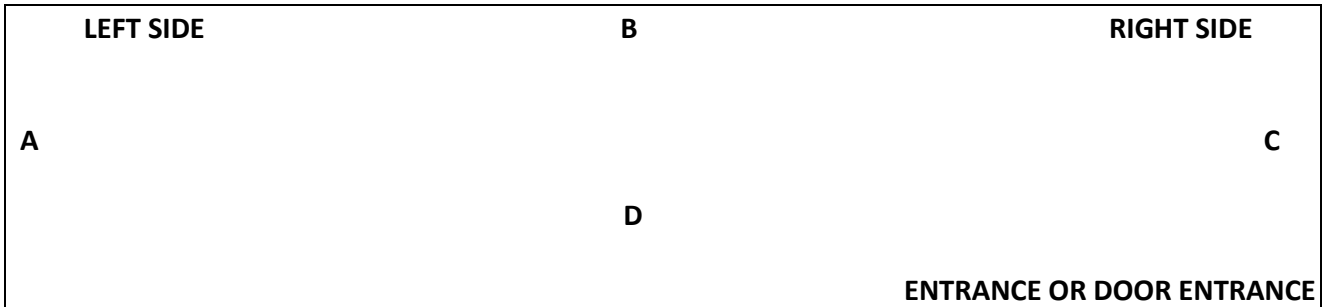
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TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm ² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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
Lead Based Paint Inspector LBPI-24823-299



GLOBAL ENVIRONMENTAL SERVICES LLC

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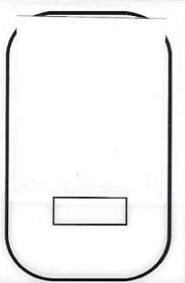
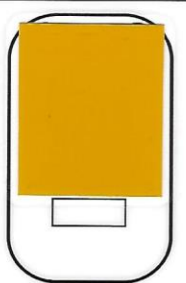

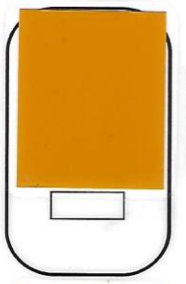


ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

<p>Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com</p>	<p>Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com</p>	<p>Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com</p>
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLP 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

SITE AREA & FUNCTIONAL SPACES



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.47261, -66.93409



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SITE AREA

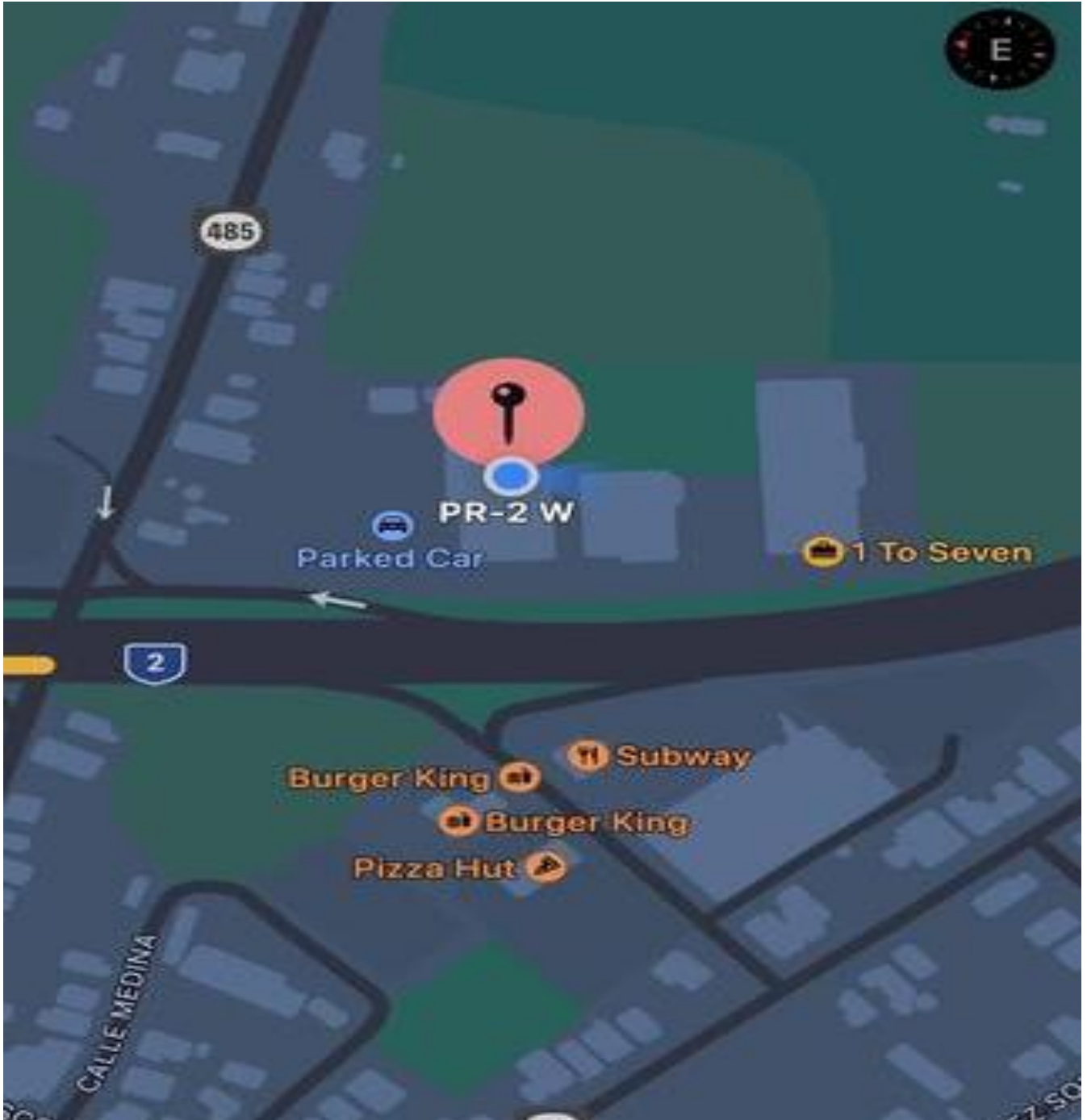




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DNER Permits / EPA Permits & Certifications

SITE AREA



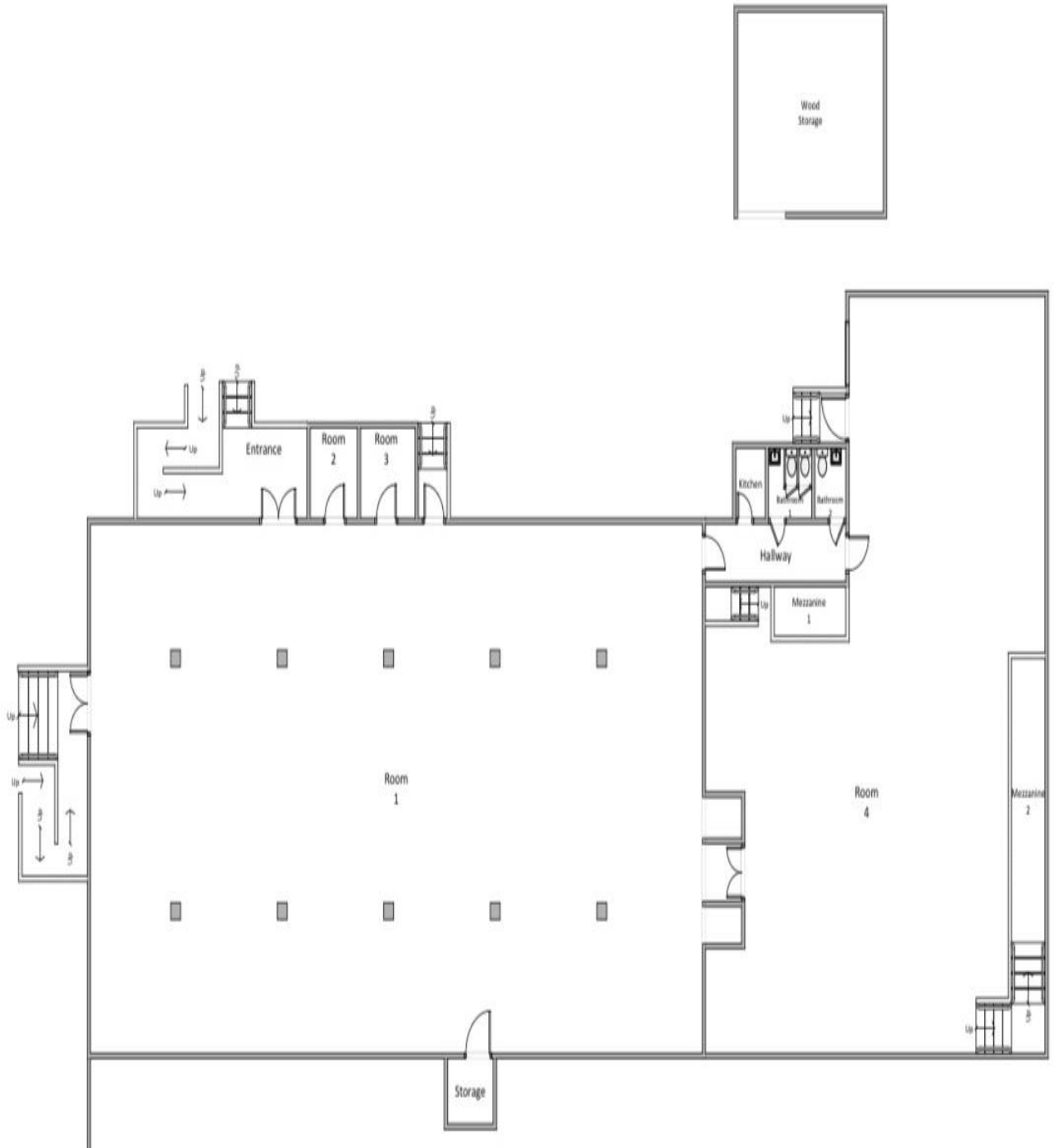


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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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AERIAL VIEW





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ADDENDUM IV

***CERTIFICATIONS GRANTED BY THE DEPARTMENT OF NATURAL
AND ENVIRONMENTAL RESOURCES OF PUERTO RICO***



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





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MR. ELIS J. MORALES - LEAD BASED PAINT INSPECTOR CERTIFICATION

CERTIFICACIÓN PLOMO PUERTO RICO



Esta tarjeta autoriza a:
Elis J. Morales Rivera
Para realizar actividades relacionadas a
Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**
Fecha de Expiración: Septiembre 17, 2024

Certificación #:
LBPI-24823-299



Firma Autorizada
Departamento de Recursos Naturales y
Ambientales

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Elis Morales

Has successfully completed

**Safety Training for
~ Sealed Source XRF - Radiation Safety~**

Supervisor Signature _____

8/10/2021
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific



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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2023- 205	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 21/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
1	Calibrate				0.9		
2	Calibrate				1.0		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Fence	A	Metal	0.02	Neg.	
9	Exterior	Fence	B	Metal	0.02	Neg.	
10	Exterior	Fence	C	Metal	0.02	Neg.	
11	Exterior	Fence	D	Metal	0.02	Neg.	
12	Exterior	Gate	A	Metal	0.02	Neg.	
13	Exterior	Gate	B	Metal	0.02	Neg.	
14	Side A Stair	Floor	Floor	Concrete	0.00	Neg.	
15	Side A Stair	Handrail	A	Metal	0.02	Neg.	
16	Side A Stair	Handrail	C	Metal	0.02	Neg.	
17	Side A Stair	Column	D	Metal	0.02	Neg.	
18	Side A Stair	Column	D	Metal	0.02	Neg.	
19	Side A Stair	Column	C	Metal	0.02	Neg.	
20	Side A Stair	Column	C	Metal	0.02	Neg.	
21	Side B Stair	Floor	Floor	Concrete	0.00	Neg.	
22	Side B Stair	Handrail	A	Metal	0.02	Neg.	
23	Side B Stair	Handrail	C	Metal	0.02	Neg.	
24	Side C Stair	Floor	Floor	Concrete	0.00	Neg.	



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	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 22/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
25	Side C Stair	Handrail	A	Metal	0.02	Neg.	
26	Side C Stair	Handrail	C	Metal	0.02	Neg.	
27	Entrance	Wall	A	Concrete	0.01	Neg.	
28	Entrance	Wall	B	Concrete	0.01	Neg.	
29	Entrance	Wall	C	Concrete	0.02	Neg.	
30	Entrance	Wall	D	Concrete	0.02	Neg.	
31	Entrance	Floor	Floor	Concrete	0.00	Neg.	
32	Entrance	Baseboard	A	Ceramic	0.02	Neg.	
33	Entrance	Baseboard	B	Ceramic	0.02	Neg.	
34	Entrance	Baseboard	C	Ceramic	0.02	Neg.	
35	Entrance	Ceiling	Top	Concrete	0.01	Neg.	
36	Room 1	Door	D	Glass	0.00	Neg.	
37	Room 1	Door	D	Metal	0.02	Neg.	
38	Room 1	Door Frame	D	Metal	0.02	Neg.	
39	Room 1	Wall	A	GB	0.01	Neg.	
40	Room 1	Wall	B	Concrete	0.01	Neg.	
41	Room 1	Wall	C	Concrete	0.02	Neg.	
42	Room 1	Wall	D	Concrete	0.02	Neg.	
43	Room 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
44	Room 1	Ceiling	Top	Concrete	0.01	Neg.	
45	Room 1	Door	C	Glass	0.00	Neg.	
46	Room 1	Door	C	Metal	0.02	Neg.	
47	Room 1	Door Frame	C	Metal	0.02	Neg.	
48	Room 1	Door	D	Metal	0.02	Neg.	



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	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 23/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
49	Room 1	Door Frame	D	Metal	0.02	Neg.	
50	Room 1	Column	Center Side	Concrete	0.02	Neg.	
51	Room 1	Column	Center Side	Concrete	0.02	Neg.	
52	Room 1	Column	Center Side	Concrete	0.02	Neg.	
53	Room 1	Column	Center Side	Concrete	0.02	Neg.	
54	Room 2	Sliding Door	D	Metal	0.02	Neg.	
55	Room 2	Door	D	Wood	0.02	Neg.	
56	Room 2	Door Frame	D	Wood	0.02	Neg.	
57	Room 2	Wall	A	Concrete	0.02	Neg.	
58	Room 2	Wall	B	Concrete	0.01	Neg.	
59	Room 2	Wall	C	Concrete	0.02	Neg.	
60	Room 2	Wall	D	Concrete	0.02	Neg.	
61	Room 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
62	Room 2	Ceiling	Top	Concrete	0.01	Neg.	
63	Room 3	Sliding Door	D	Metal	0.02	Neg.	
64	Room 3	Door	D	Wood	0.02	Neg.	
65	Room 3	Door Frame	D	Wood	0.02	Neg.	
66	Room 3	Wall	A	Concrete	0.02	Neg.	
67	Room 3	Wall	B	Concrete	0.01	Neg.	
68	Room 3	Wall	C	Concrete	0.02	Neg.	
69	Room 3	Wall	D	Concrete	0.02	Neg.	
70	Room 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
71	Room 3	Ceiling	Top	Concrete	0.01	Neg.	



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	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 24/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
72	Storage	Door	D	Wood	0.02	Neg.	
73	Storage	Door Frame	D	Wood	0.02	Neg.	
74	Storage	Wall	A	Concrete	0.02	Neg.	
75	Storage	Wall	B	Concrete	0.01	Neg.	
76	Storage	Wall	C	Concrete	0.02	Neg.	
77	Storage	Wall	D	Concrete	0.02	Neg.	
78	Storage	Floor	Floor	Concrete	0.00	Neg.	
79	Storage	Ceiling	Top	Concrete	0.01	Neg.	
80	Storage	Shelves	A	Wood	0.01	Neg.	
81	Storage	Shelves	B	Wood	0.01	Neg.	
82	Hallway	Door	D	Wood	0.02	Neg.	
83	Hallway	Door Frame	D	Wood	0.02	Neg.	
84	Hallway	Wall	A	Concrete	0.01	Neg.	
85	Hallway	Wall	B	Concrete	0.01	Neg.	
86	Hallway	Wall	C	GB	0.01	Neg.	
87	Hallway	Wall	D	GB	0.01	Neg.	
88	Hallway	Floor Tile	Floor	Ceramic	0.02	Neg.	
89	Hallway	Ceiling	Top	Concrete	0.01	Neg.	
90	Hallway	Door	B	Wood	0.02	Neg.	
91	Hallway	Door Frame	B	Wood	0.02	Neg.	
92	Kitchen	Door	D	Wood	0.02	Neg.	
93	Kitchen	Door Frame	D	Wood	0.02	Neg.	
94	Kitchen	Wall	A	Concrete	0.02	Neg.	
95	Kitchen	Wall	B	Concrete	0.01	Neg.	



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	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 25/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
96	Kitchen	Wall	C	Concrete	0.02	Neg.	
97	Kitchen	Wall	D	Concrete	0.02	Neg.	
98	Kitchen	Floor Tile	Floor	Ceramic	0.02	Neg.	
99	Kitchen	Ceiling	Top	Concrete	0.01	Neg.	
100	Bathroom 1	Door	D	Wood	0.01	Neg.	
101	Bathroom 1	Door Frame	D	Wood	0.01	Neg.	
102	Bathroom 1	Wall	A	Concrete	0.02	Neg.	
103	Bathroom 1	Wall	B	Concrete	0.01	Neg.	
104	Bathroom 1	Wall	C	Concrete	0.02	Neg.	
105	Bathroom 1	Wall	D	Concrete	0.02	Neg.	
106	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
107	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	
108	Bathroom 1	Sink	B	Ceramic	0.01	Neg.	
109	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
110	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
111	Bathroom 2	Door	D	Wood	0.01	Neg.	
112	Bathroom 2	Door Frame	D	Wood	0.01	Neg.	
113	Bathroom 2	Wall	A	Concrete	0.02	Neg.	
114	Bathroom 2	Wall	B	Concrete	0.01	Neg.	
115	Bathroom 2	Wall	C	Concrete	0.02	Neg.	
116	Bathroom 2	Wall	D	Concrete	0.02	Neg.	
117	Bathroom 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
118	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.	
119	Bathroom 2	Urinal	A	Ceramic	0.01	Neg.	



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	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 26/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
120	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
121	Bathroom 2	Sink	B	Ceramic	0.01	Neg.	
122	Room 4	Door	D	Wood	0.02	Neg.	
123	Room 4	Door Frame	D	Wood	0.02	Neg.	
124	Room 4	Wall	A	Concrete	0.01	Neg.	
125	Room 4	Wall	B	Concrete	0.02	Neg.	
126	Room 4	Wall	C	Concrete	0.02	Neg.	
127	Room 4	Wall	D	GB	0.01	Neg.	
128	Room 4	Floor	Floor	Concrete	0.00	Neg.	
129	Room 4	Ceiling	Top	Concrete	0.01	Neg.	
130	Room 4	Ceiling	Top	Metal	0.01	Neg.	
131	Room 4	Baseboard	A	Ceramic	0.02	Neg.	
132	Room 4	Baseboard	B	Ceramic	0.02	Neg.	
133	Room 4	Baseboard	C	Ceramic	0.02	Neg.	
134	Room 4	Baseboard	D	Ceramic	0.02	Neg.	
135	Room 4	Door	D	Metal	0.02	Neg.	
136	Room 4	Door Frame	D	Metal	0.02	Neg.	
137	Room 4	Rolling Door	D	Metal	0.02	Neg.	
138	Mezzanine 1 Stair	Floor	Floor	Metal	0.02	Neg.	
139	Mezzanine 1 Stair	Handrail	A	Metal	0.02	Neg.	
140	Mezzanine 1 Stair	Handrail	C	Metal	0.02	Neg.	
141	Mezzanine 1	Fence	A	Metal	0.02	Neg.	
142	Mezzanine 1	Fence	D	Metal	0.02	Neg.	
143	Mezzanine 1	Wall	B	GB	0.02	Neg.	



GLOBAL ENVIRONMENTAL SERVICES LLC

GES 2023- 205	Asbestos & Lead Based Paint Survey/ DNER Permits / EPA Permits & Certifications		Environmental Consultants/ LBP Inspector:		Industrial Hygiene/ Date:		Indoor Air Quality Page 27/31	
	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	Inspector: Mr. Elis J. Morales	Date: April 22, 2024			
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.	
144	Mezzanine 1	Wall	C	GB	0.01	Neg.		
145	Mezzanine 1	Floor	Floor	Wood	0.01	Neg.		
146	Mezzanine 1	Ceiling	Top	Metal	0.01	Neg.		
147	Mezzanine 2 Stair	Floor	Floor	Metal	0.02	Neg.		
148	Mezzanine 2 Stair	Handrail	A	Metal	0.02	Neg.		
149	Mezzanine 2 Stair	Handrail	C	Metal	0.02	Neg.		
150	Mezzanine 2	Fence	A	Metal	0.02	Neg.		
151	Mezzanine 2	Fence	D	Metal	0.02	Neg.		
152	Mezzanine 2	Wall	B	Concrete	0.01	Neg.		
153	Mezzanine 2	Wall	C	Concrete	0.01	Neg.		
154	Mezzanine 2	Floor	Floor	Wood	0.01	Neg.		
155	Mezzanine 2	Baseboard	D	Ceramic	0.02	Neg.		
156	Mezzanine 2	Ceiling	Top	Metal	0.01	Neg.		
157	Wood Storage	Wall	A	Concrete	0.02	Neg.		
158	Wood Storage	Wall	B	Concrete	0.02	Neg.		
159	Wood Storage	Wall	C	Concrete	0.01	Neg.		
160	Wood Storage	Wall	D	Concrete	0.02	Neg.		
161	Wood Storage	Wall	A	Metal	0.02	Neg.		
162	Wood Storage	Wall	B	Metal	0.02	Neg.		
163	Wood Storage	Wall	C	Metal	0.02	Neg.		
164	Wood Storage	Wall	D	Metal	0.02	Neg.		



GLOBAL ENVIRONMENTAL SERVICES LLC

GES 2023- 205	XRF Serial Number: 101094	Project: Blg. T095407000 PW-7801 DI-219341 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 28/31	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
165	Wood Storage	Floor	Floor	Concrete	0.00	Neg.	
166	Wood Storage	Ceiling	Top	Metal	0.01	Neg.	
167	Calibrate				1.0		
168	Calibrate				0.9		
169	Calibrate				0.9		



GLOBAL ENVIRONMENTAL SERVICES LLC

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

ADDENDUM VI

LEAD BASED PAINT NEGATIVE CERTIFICATION



GLOBAL ENVIRONMENTAL SERVICES LLC

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



GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Elis J. Morales, mayor de edad, casado, y vecino de Naranjito
(Inspector o Evaluador de Riesgos) (Estado Civil) (Municipio)
Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)
Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 994 - 2203 Ext. _____
Fax () _____ - _____

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (Inspector / Evaluador de Riesgos) con Número de Certificación LBPI-24823-299, la cual se encuentra vigente.
Edificio T095407000 PW-7801 DI-219341
2. La estructura localizada en Carretera PR-2 Km. 100.8 Bo. San José en Quebradillas, PR, la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico, hoy día 23 de abril de 2024
(Municipio)

LBPI-24823-299

Firma del Inspector o Evaluador de Riesgos (en original)

Nota : Deberá someter evidencia de la tarjeta o certificado provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





GLOBAL ENVIRONMENTAL SERVICES LLC

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

ADDENDUM VII

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Lead Based Paint free for the **Building T095407000 PW-7801 DI-219341** located at Road PR-2 Km. 100.8 San Jose Ward in Quebradillas, PR of April 23, 2024.



GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey and Project Designer Firm / Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality / DNER Permits / EPA Permits & Certifications **EM@IL: globalespr@gmail.com**
POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



**SAMPLING CONDUCTED AT:
BUILDING T102907000
(PW-7801) & (DI-219342)
NORTH REGION**

Located at Road PR-2 Km. 100.7 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

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GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

April 25, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T102907000 (PW-7801) & (DI-219342) North Region located at Road PR-2 Km. 100.7 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project (Building areas only). 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 April 11, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-0623-0270-SI & ASB-0424-0108-SI with enough experience.

During the Inspection, Inspector found suspected Asbestos Containing Materials. A total (2) two 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

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ROOFTOP AREAS -(BUILT TOP OR ROOF TREATMENT) TO THE DATE- NEW CONDITIONS- INSTALLATED



NOTE: THE ASBESTOS INSPECTION OF THE EXTERIOR ROOF WAS NOT CARRIED OUT SINCE THE EXISTING MEMBRANE IS UNDER WARRANTY ACCORDING TO THE CLIENT'S INSTRUCTIONS.

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

- a. The building are 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.
- 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 / 787-607-8965 or email globalespr@gmail.com.

Cordially;

Mr. Angel O. Ortega, JS
Environmental Consultant
President

Mr. Angel M. Rivera
Asbestos Inspector-ASB-0623-0270-SI
Asbestos Inspector-ASB-0424-0108-SI



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
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APPENDIX I

LAYOUT AND SITE LOCATIONS



GLOBAL ENVIRONMENTAL SERVICES LLC

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

SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4722405, -66.9341186



GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
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SITE AREA

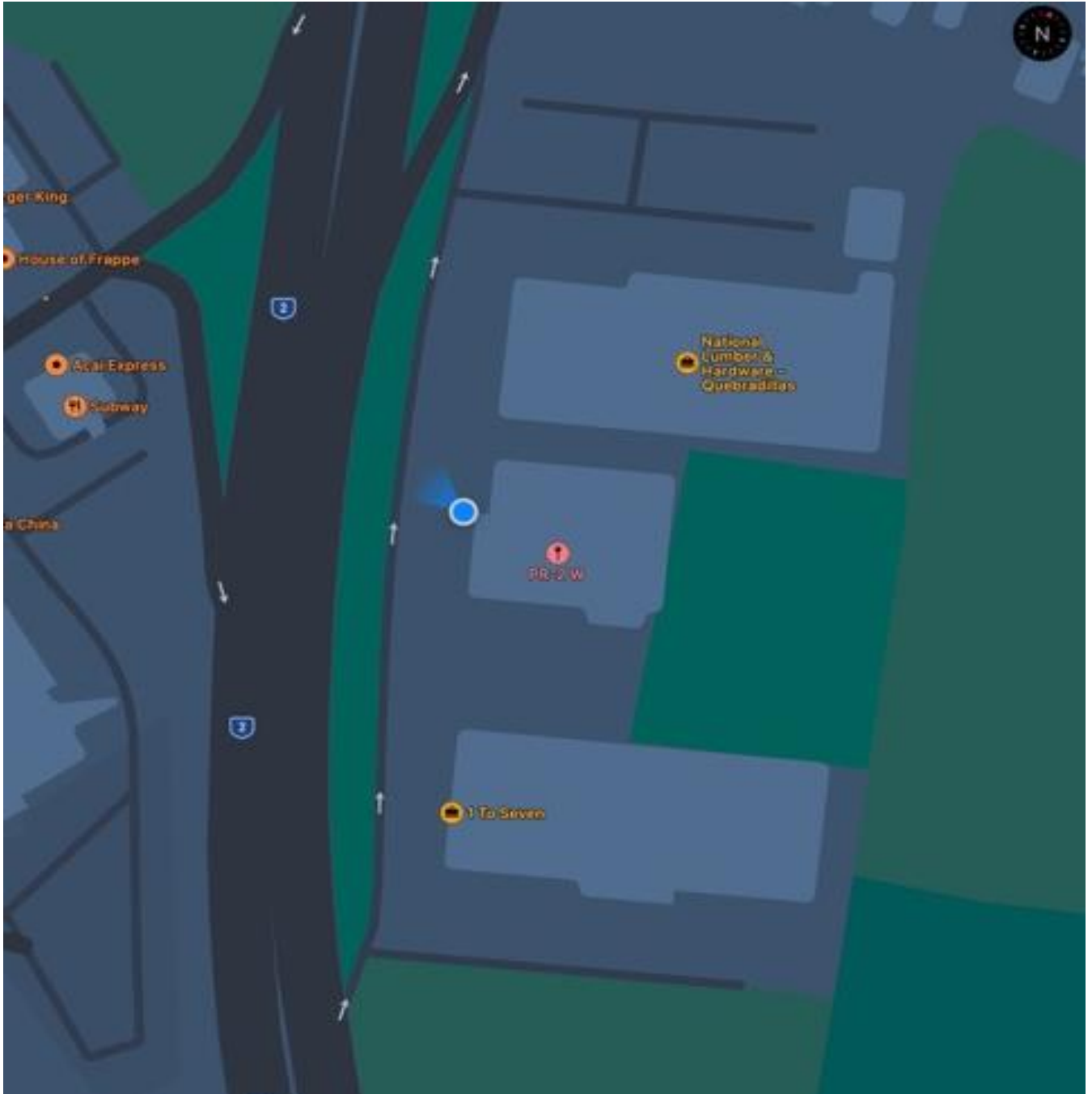




GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
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SITE AREA

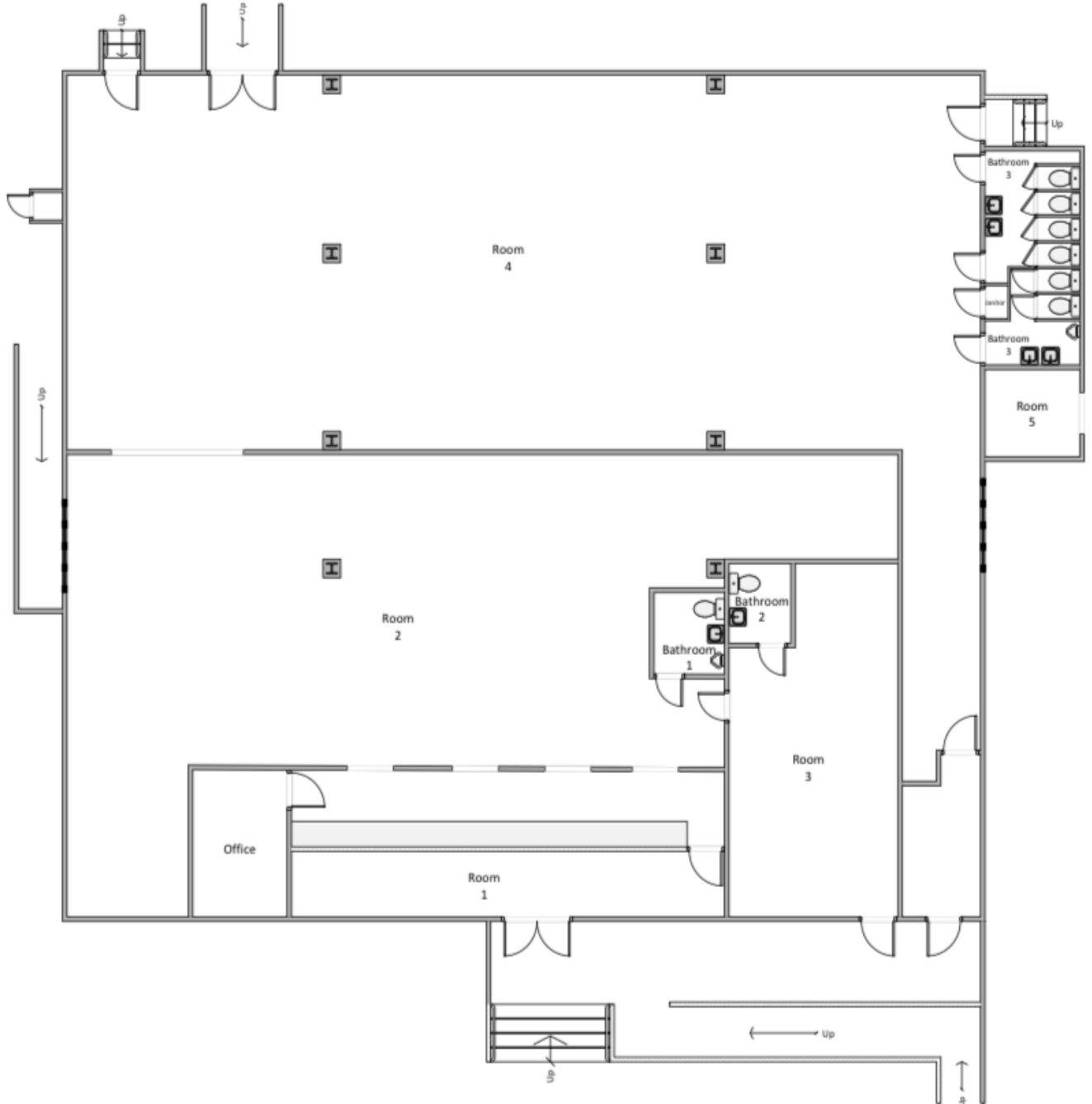




GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



GLOBAL ENVIRONMENTAL SERVICES LLC

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PROJECT- AERIAL VIEW





GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX II

**CERTIFICATIONS GRANTED BY THE DNER OF
PUERTO RICO**



GLOBAL ENVIRONMENTAL SERVICES LLC

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

ASBESTOS INSPECTOR CERTIFICATION

	TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO Esta tarjeta autoriza a: Ángel M. Rivera Guido Inspector A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.  Firma Autorizada - Departamento Recursos Naturales y Ambientales
ASB-0623-0270-SI Número de Registro	
16-abr-2024 Fecha de vencimiento	

	TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO Esta tarjeta autoriza a: Ángel M. Rivera Guido Inspector A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.  Firma Autorizada - Departamento Recursos Naturales y Ambientales
ASB-0424-0108-SI Número de Registro	
16-mar-2025 Fecha de vencimiento	



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM PHYSICAL & HAZARD ASSESSMENT



GLOBAL ENVIRONMENTAL SERVICES LLC

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

GES- 2023-205	Asbestos Sample Inspection	Project: Building T102907000 (PW-7801) & (DI-219342) in Quebradillas, PR	Client: PRIDCO	Asbestos Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 14/26
Sample ID	Sample Description	Material Category	Asbestos Contents %	Friability		AHERA Assessment Category (1-7, X,None)
DI-219342-AR-01	Room 2- White Caulking in Wall A	Misc.	NO DETECTED	NF		X
DI-219342-AR-02	Room 2- Beige Baseboard in Side C	Misc.	NO DETECTED	NF		X

Material Category:

SM= Surfacing Materials

Misc.= Miscellaneous Materials

Friability:

F=Friable

NF= Non Friable



GLOBAL ENVIRONMENTAL SERVICES LLC

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APPENDIX IV

**PHOTOS OF THE BULKS SAMPLES MADE IN THE
BUILDING**



GLOBAL ENVIRONMENTAL SERVICES LLC

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SAMPLE- DI-219342-AR-01



SAMPLE- DI-219342-AR-02



GLOBAL ENVIRONMENTAL SERVICES LLC

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Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX V

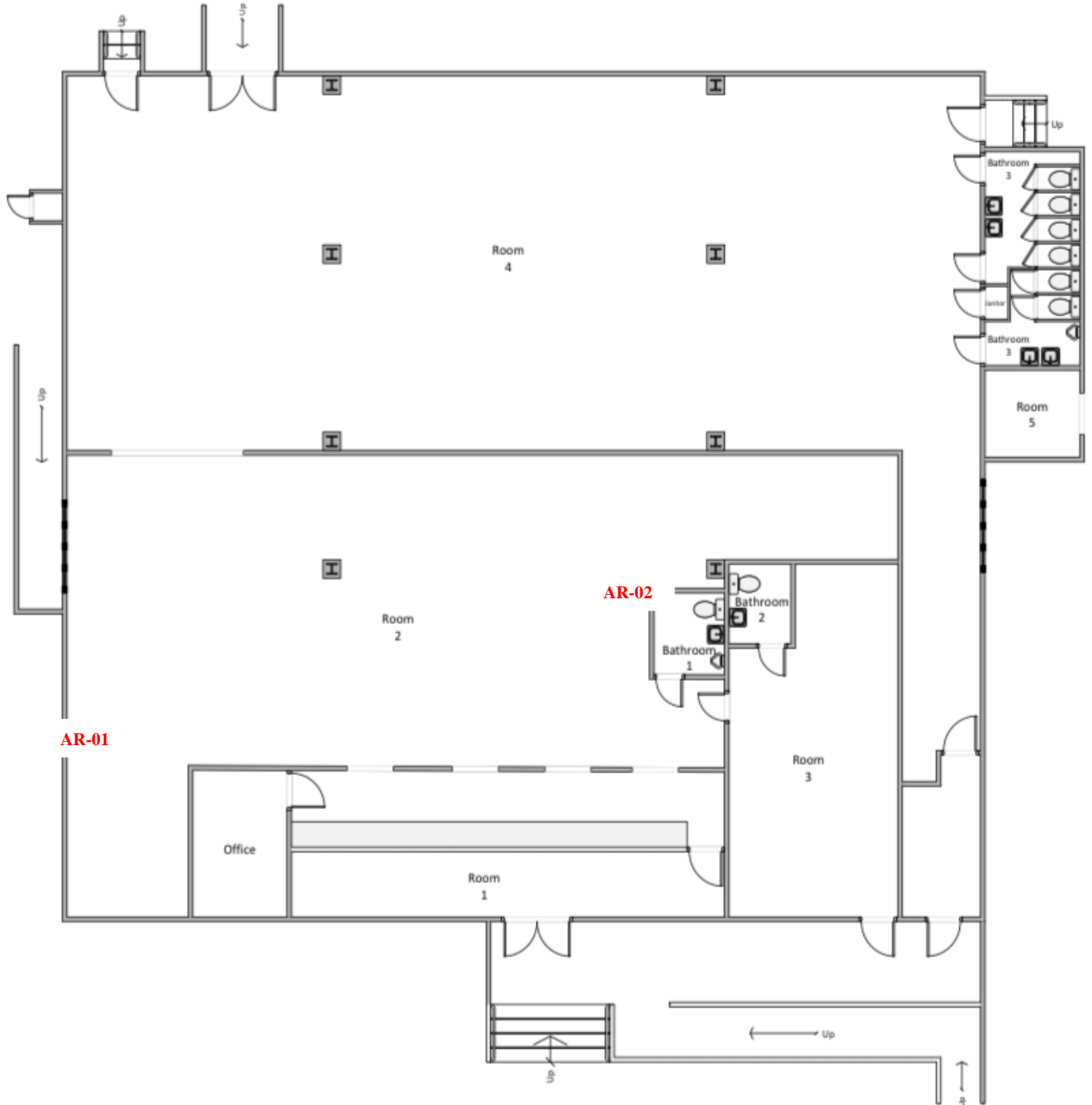
LOCATIONS OF BULKS SAMPLES TAKEN



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ACM BULKS SAMPLES LOCATIONS



NOT TO SCALE



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Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX VI

CHAIN OF CUSTODY & ANALYTICAL RESULTS



GLOBAL ENVIRONMENTAL SERVICES LLC

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

OrderID: 172401834



Asbestos Chain of Custody EMSL Order Number (lab use only):

172401834

EMSL ANALYTICAL, INC.
19501 NE 10th AVE BAY A
N. MAINT BEACH, FL 33179
PHONE: (305)650-0577
FAX: (305)650-0578

Company Name: Global Environmental Services, LLC		EMSL Customer ID: +56GLOE33	
Street: RR8 BOX 1995 PMB 313		City: BAYAMON State or Province: PR	
Zip/Postal Code: 00956	Country: US	Telephone #: (787) 607-8965 Fax #:	
Report To (Name): Angel O. Ortega		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: globalespr@gmail.com		Purchase Order Number:	
Client Project ID: 2023-205 / 9w-7601, DI-219342		EMSL Project ID (Internal use only):	
State or Province Collected: Quebradillas, PR		CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If bill to is different note instructions in comment. Third party billing requires written authorization from third party			
Turnaround Time (TAT) Options Please Check			
<input type="checkbox"/> 3 Hr ¹ <input type="checkbox"/> 4-4.5 Hr ¹ <input type="checkbox"/> 6 Hr ¹ <input type="checkbox"/> 24 Hr <input type="checkbox"/> 32 Hr ² <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> 96 Hr <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>¹Premium Service Charge applies for 3 Hour TEM AHERA or EPA Level II TAT - you will be asked to sign an authorization form. TEM Air 3-6 Hour, please call ahead to schedule ² 32 Hour TAT available for select tests only; samples must be submitted by 11:30am.</small>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB Point Count (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable - NY) <input type="checkbox"/> NYS-198.6 NOS (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air¹ <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM- Settled Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil - Rock - Vermiculite (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM <small>*Lower reporting limits available on request</small> Other test (please specify):	
<input type="checkbox"/> Stop At First Positive (clearly identify homogenous areas below)		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Sampler's Name: Angel M. Rivera		Sampler's Signature: Angel M. Rivera	
Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
DI-219342-AA-01	White Caulking, Wall A, Room #2, Bldg. # T1029	N/A	Apr-11-2024 10:30 AM
DI-219342-AA-02	Beige Baseboard, Side C, Room #2, Bldg. # T1029	N/A	Apr-11-2024 10:34 AM
AA6 Apr-11-2024			
Client Sample # (s): DI-219342-AA-01		DI-219342-AA-02	Total # of Samples: 2
Relinquished by (Client): Angel M. Rivera		Date: Apr-11-2024	Time: 17100
Received by (Lab):		Date:	Time:
Comments/Special Instructions:			

RECEIVED
APR 23 2024
NS

Controlled Document - COC-95 Asbestos - R12 - 09032019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.

1:05 PM
Page 1 of 1 pages



GLOBAL ENVIRONMENTAL SERVICES LLC

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



EMSL Analytical, Inc.

19501 NE 10th Ave. Bay A N. Miami Beach, FL 33179
Tel/Fax: (305) 650-0577 / (305) 650-0578
<http://www.EMSL.com> / miamilab@emsl.com

EMSL Order: 172401834
Customer ID: GLES75
Customer PO:
Project ID:

Attention: Angel Ortega
Global Environmental Services, LLC
RR8 BOX 1995
PMB 313
Bayamon, 00956

Phone: (787) 994-2203
Fax:

Received Date: 04/23/2024 1:05 PM
Analysis Date: 04/24/2024
Collected Date: 04/11/2024

Project: 2023-205 / PW -7801, DI-219342 Bldg. #T1029 Quebradillas, PR

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DI-219342-AR-01 <small>172401834-0001</small>	Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DI-219342-AR-02-Base board <small>172401834-0002</small>	Baseboard	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DI-219342-AR-02-Masti c <small>172401834-0002A</small>	Baseboard	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Deanna Caliste (2)
Mary Hamel (1)

Kimberly Wallace, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. Inoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 04/24/2024 10:29:01



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX VII

LABORATORY CERTIFICATIONS



GLOBAL ENVIRONMENTAL SERVICES LLC

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

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

*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).*

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality/ DNER Permits / EPA Permits & Certifications*

APPENDIX VIII

ASBESTOS NEGATIVE CERTIFICATION



GLOBAL ENVIRONMENTAL SERVICES LLC

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



GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

OGPE
Oficina de Gestión de Permisos

Área de Calidad de Agua

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____


Yo, Angel M. Rivera, mayor de edad, casado, y vecino de Guayama
(Nombre) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 994 - 2203 Ext. _____
Fax () - -

Certifico que: (solamente todas las areas interiores del Edificio T102907000) PW-7801 DI-219342 en Carretera PR-2 Km. 100.7 Bo. San José en Quebradillas, PR

- La estructura localizada en _____, la cual será objeto de una demolición se encuentra libre de asbesto.
- La información antes indicada es cierta y correcta.
- Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
- Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico, (Municipio)
hoy día 25 de abril de 2024



ASB-0424-0108-SI
Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





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APPENDIX IX

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies **Asbestos free (Interior areas only)** for the **Building T102907000 (PW-7801) & (DI-219342)** in Road PR-2 Km. 100.7 San Jose Ward in Quebradillas, PR of April 25, 2024.



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Asbestos & Lead Based Paint Survey and Project Designer Firm / Environmental Consultants/ Industrial Hygiene/
Indoor Air Quality / DNER Permits / EPA Permits & Certifications **EM@IL: globalespr@gmail.com**
POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



**SAMPLING CONDUCTED AT:
BUILDING T102907000
(PW-7801) & (DI-219342)
NORTH REGION**

Located at Road PR-2 Km. 100.7 San Jose Ward in Quebradillas, PR



GES Project # -2023-205

APRIL 2024



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April 25, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T102907000 (PW-7801) & (DI-219342) North Region located at Road PR-2 Km. 100.7 San Jose Ward in Quebradillas, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (Building areas only).

The Lead Paint Standard is in Addendum I of the Report. Project Photos in Addendum III of the report. The Inspection performance with Thermo Fisher Scientific XRF Niton’s Model Xlp 300A Serial Number 114943 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint Inspection was conducted on April 11 & 22, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-33923-409 and Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-24823-299 with enough experience. The project consisted of evaluation in all components in Building located in Quebradillas, PR. During the evaluation **we found positive components with Lead Based Paint** in said project.

TABLE 1.0 – SUMMARY OF COMPONENTS WITH LEAD BASED PAINT				
FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	UNITS/ SQ. FT. APPROX.
Exterior	Fire Hose Connection	B	Metal	1 Unit
Exterior	Fire Hose Connection	D	Metal	1 Unit
Exterior	Barrier Plates	D	Metal	1 sq. ft. approx.
Bathroom 2	Floor Tiles	Floor	Ceramic	40 sq. ft. approx.



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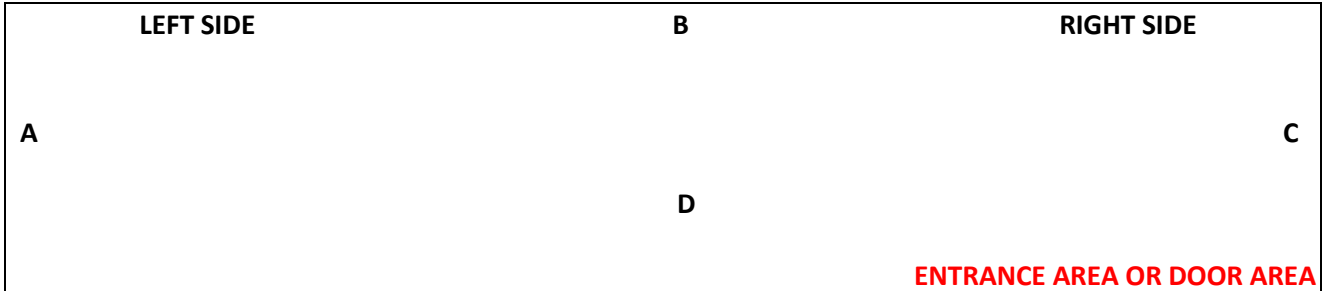
Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.

TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm ² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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, J/S
Environmental Consultant
President

Mr. Angel M. Rivera
Lead Based Paint Inspector LBPI-33923-409



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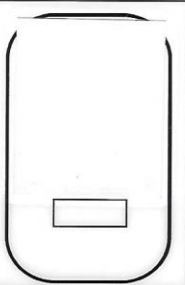
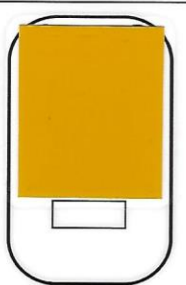

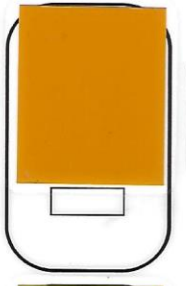
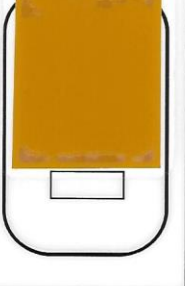

ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com	Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com	Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLp 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

SITE AREA & FUNCTIONAL SPACES



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4722405, -66.9341186



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SITE AREA

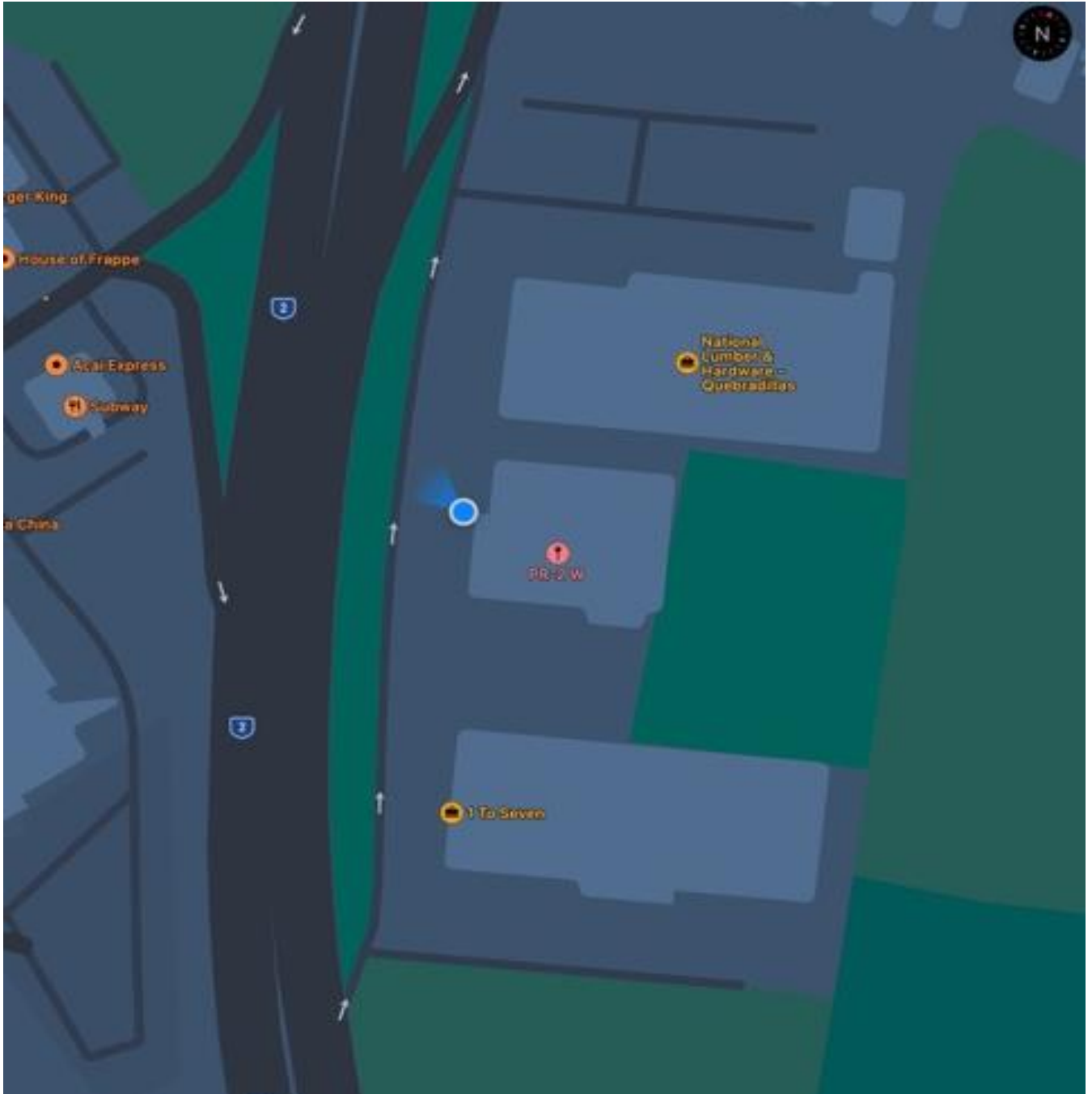




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SITE AREA

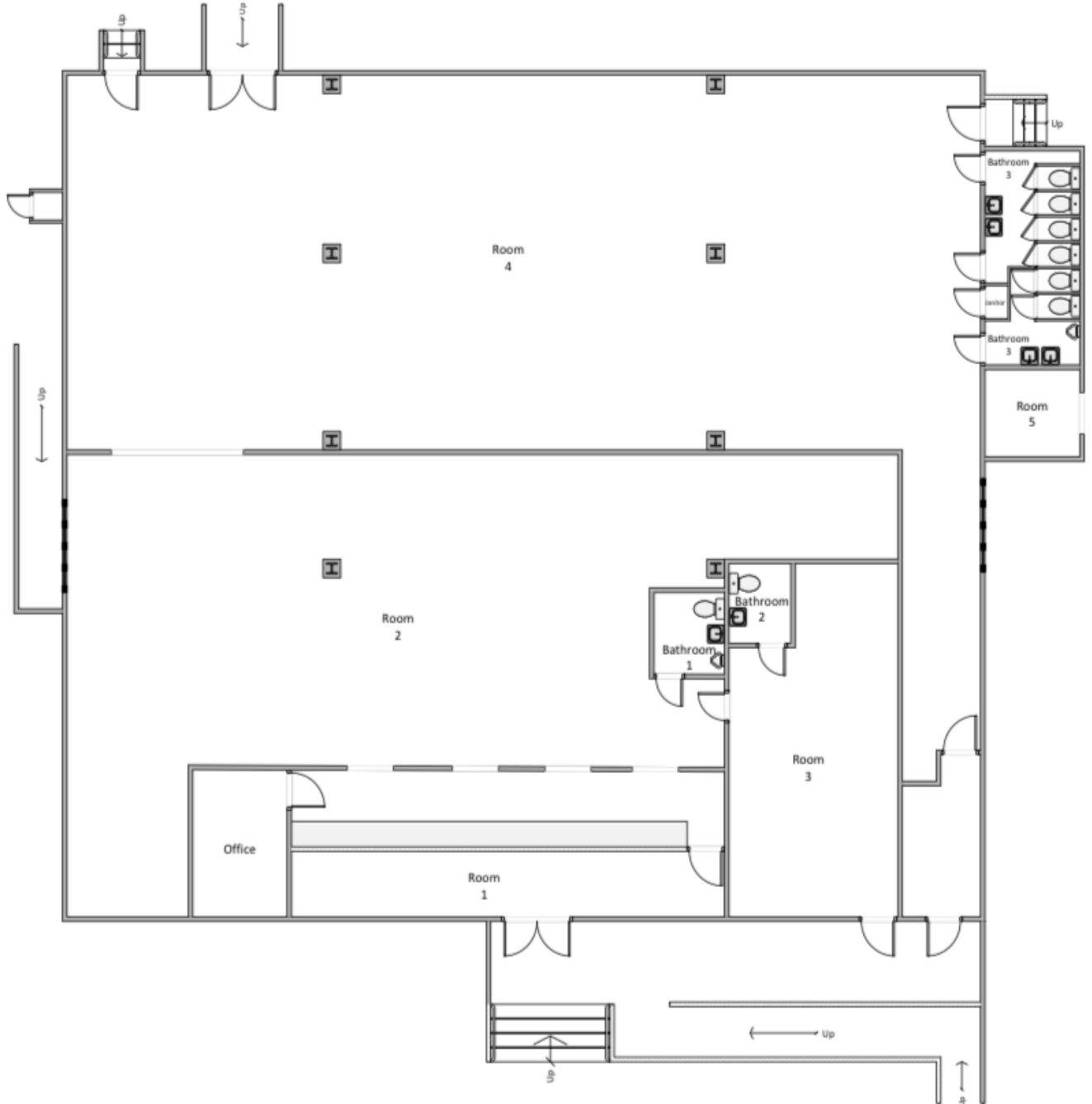




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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ADDENDUM IV

***CERTIFICATIONS GRANTED BY THE DEPARTMENT OF NATURAL
AND ENVIRONMENTAL RESOURCES OF PUERTO RICO***



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey and Project Designer Firm/ Environmental Consultants/ Industrial Hygiene/
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MR. ANGEL M. RIVERA - LEAD BASED PAINT INSPECTOR CERTIFICATION

CERTIFICACIÓN PLOMO PUERTO RICO



Esta tarjeta autoriza a:
Ángel M. Rivera Guido
Para realizar actividades relacionadas a
Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**
Fecha de Expiración: Diciembre 1, 2024



Firma Autorizada
Departamento de Recursos Naturales y
Ambientales

Certificación #:
LBPI-33923-409

ThermoFisher
SCIENTIFIC

CERTIFICATE
This Certifies that

Angel Rivera

Has successfully completed
Safety Training for
~ Sealed Source XRF - Radiation Safety ~

Supervisor Signature _____

5/13/20
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific



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MR. ELIS J. MORALES- LEAD BASED PAINT INSPECTOR CERTIFICATION





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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 22/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
1	Calibrate				0.9		
2	Calibrate				1.0		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Fire Hose Connection	B	Metal	2.9	Pos.	1 Unit
9	Exterior	Fire Hose Connection	D	Metal	3.5	Pos.	1 Unit
10	Exterior	Barrier Plates	D	Metal	2.5	Pos.	1 Sq. Ft. Approx.
11	Exterior Side A	Floor Tile	Floor	Ceramic	0.02	Neg.	
12	Exterior Side A	Ceiling	Top	Metal	0.01	Neg.	
13	Exterior Side A Stair	Floor	Floor	Concrete	0.00	Neg.	
14	Exterior Side A Stair	Handrail	A	Metal	0.02	Neg.	
15	Exterior Side A Stair	Handrail	C	Metal	0.02	Neg.	
16	Exterior Side B Stair	Floor	Floor	Concrete	0.00	Neg.	
17	Exterior Side B Stair	Handrail	A	Metal	0.02	Neg.	
18	Exterior Side B Stair	Handrail	C	Metal	0.02	Neg.	
19	Exterior Side C Stair	Floor	Floor	Concrete	0.00	Neg.	
20	Exterior Side C Stair	Handrail	A	Metal	0.02	Neg.	
21	Exterior Side C Stair	Handrail	C	Metal	0.02	Neg.	
22	Room 1	Sliding Gate	D	Metal	0.02	Neg.	
23	Room 1	Door	D	Metal	0.02	Neg.	
24	Room 1	Door Frame	D	Metal	0.02	Neg.	



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GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 23/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
25	Room 1	Wall	A	Concrete	0.01	Neg.	
26	Room 1	Wall	C	Concrete	0.02	Neg.	
27	Room 1	Wall	D	Concrete	0.02	Neg.	
28	Room 1	Wall	B	GB	0.01	Neg.	
29	Room 1	Floor	Floor	Concrete	0.00	Neg.	
30	Room 1	Ceiling	Top	Metal	0.01	Neg.	
31	Room 1	Counter	Center Side	Wood	0.01	Neg.	
32	Room 1	Door	Center Side	Wood	0.02	Neg.	
33	Room 1	Door Frame	Center Side	Wood	0.02	Neg.	
34	Office	Door	D	Wood	0.02	Neg.	
35	Office	Door Frame	D	Wood	0.02	Neg.	
36	Office	Wall	A	Concrete	0.01	Neg.	
37	Office	Wall	B	Concrete	0.01	Neg.	
38	Office	Wall	C	Concrete	0.02	Neg.	
39	Office	Wall	D	Concrete	0.02	Neg.	
40	Office	Wall	C	Wood	0.02	Neg.	
41	Office	Floor Tile	Floor	Ceramic	0.02	Neg.	
42	Office	Ceiling	Top	Metal	0.01	Neg.	
43	Room 2	Wall	A	Concrete	0.01	Neg.	
44	Room 2	Wall	B	Concrete	0.01	Neg.	
45	Room 2	Wall	C	Concrete	0.02	Neg.	
46	Room 2	Wall	D	GB	0.01	Neg.	
47	Room 2	Floor	Floor	Concrete	0.00	Neg.	
48	Room 2	Ceiling	Top	Metal	0.01	Neg.	



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Indoor Air Quality/ DNER Permits / EPA Permits & Certifications

GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 24/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
49	Room 2	Rolling Door	A	Metal	0.01	Neg.	
50	Bathroom 1	Door	D	Wood	0.01	Neg.	
51	Bathroom 1	Door Frame	D	Wood	0.01	Neg.	
52	Bathroom 1	Wall Tile	A	Ceramic	0.02	Neg.	
53	Bathroom 1	Wall Tile	B	Ceramic	0.02	Neg.	
54	Bathroom 1	Wall Tile	C	Ceramic	0.02	Neg.	
55	Bathroom 1	Wall Tile	D	Ceramic	0.02	Neg.	
56	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
57	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	
58	Bathroom 1	Toilet	C	Ceramic	0.01	Neg.	
59	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	
60	Bathroom 1	Urinal	C	Ceramic	0.01	Neg.	
61	Room 3	Door	D	Metal	0.02	Neg.	
62	Room 3	Door Frame	D	Metal	0.02	Neg.	
63	Room 3	Wall	A	GB	0.01	Neg.	
64	Room 3	Wall	A	Concrete	0.02	Neg.	
65	Room 3	Wall	B	Concrete	0.01	Neg.	
66	Room 3	Wall	C	Concrete	0.02	Neg.	
67	Room 3	Wall	D	Concrete	0.02	Neg.	
68	Room 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
69	Room 3	Ceiling	Top	Concrete	0.01	Neg.	
70	Room 3	Column	Center	Metal	0.02	Neg.	
71	Room 3	Column	Center Side	Metal	0.02	Neg.	
72	Room 3	Door	C	Metal	0.02	Neg.	



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Indoor Air Quality/ DNER Permits / EPA Permits & Certifications

GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 25/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
73	Room 3	Door Frame	C	Metal	0.02	Neg.	
74	Bathroom 2	Door	D	Wood	0.01	Neg.	
75	Bathroom 2	Door Frame	D	Wood	0.01	Neg.	
76	Bathroom 2	Wall	A	Concrete	0.02	Neg.	
77	Bathroom 2	Wall	C	Concrete	0.02	Neg.	
78	Bathroom 2	Wall	D	Concrete	0.02	Neg.	
79	Bathroom 2	Wall	B	Wood	0.01	Neg.	
80	Bathroom 2	Floor Tile	Floor	Ceramic	2.1	Pos.	40 Sq. FT. Approx.
81	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.	
82	Bathroom 2	Sink	A	Ceramic	0.01	Neg.	
83	Bathroom 2	Toilet	A	Ceramic	0.01	Neg.	
84	Room 4	Wall	A	GB	0.01	Neg.	
85	Room 4	Wall	A	Concrete	0.02	Neg.	
86	Room 4	Wall	B	Concrete	0.01	Neg.	
87	Room 4	Wall	C	Concrete	0.02	Neg.	
88	Room 4	Wall	D	Metal	0.02	Neg.	
89	Room 4	Floor	Floor	Concrete	0.00	Neg.	
90	Room 4	Ceiling	Top	Concrete	0.01	Neg.	
91	Room 4	Column	Center	Metal	0.02	Neg.	
92	Room 4	Column	Center Side	Metal	0.02	Neg.	
93	Room 4	Column	Center Side	Metal	0.01	Neg.	
94	Room 4	Column	Center	Metal	0.01	Neg.	
95	Room 4	Gate	B	Metal	0.01	Neg.	
96	Room 4	Door	B	Metal	0.02	Neg.	



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GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 26/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
97	Room 4	Door Frame	B	Metal	0.02	Neg.	
98	Room 4	Door	B	Metal	0.01	Neg.	
99	Room 4	Door Frame	B	Metal	0.02	Neg.	
100	Room 4	Door	C	Metal	0.01	Neg.	
101	Room 4	Door Frame	C	Metal	0.01	Neg.	
102	Room 4	Door	D	Metal	0.01	Neg.	
103	Room 4	Door Frame	D	Metal	0.01	Neg.	
104	Room 4	Door	D	Metal	0.01	Neg.	
105	Room 4	Door Frame	D	Metal	0.01	Neg.	
106	Room 4	Rolling Door	C	Metal	0.02	Neg.	
107	Bathroom 3	Door	D	Wood	0.01	Neg.	
108	Bathroom 3	Door Frame	D	Wood	0.01	Neg.	
109	Bathroom 3	Wall	A	Concrete	0.02	Neg.	
110	Bathroom 3	Wall	B	Concrete	0.01	Neg.	
111	Bathroom 3	Wall	C	Concrete	0.02	Neg.	
112	Bathroom 3	Wall	D	Concrete	0.02	Neg.	
113	Bathroom 3	Wall Tile	A	Ceramic	0.02	Neg.	
114	Bathroom 3	Wall Tile	B	Ceramic	0.02	Neg.	
115	Bathroom 3	Wall Tile	C	Ceramic	0.02	Neg.	
116	Bathroom 3	Wall Tile	D	Ceramic	0.02	Neg.	
117	Bathroom 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
118	Bathroom 3	Ceiling	Top	Concrete	0.02	Neg.	
119	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
120	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
121	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	



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GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 11, 2024	Page 27/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
122	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
123	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
124	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
125	Bathroom 3	Door	D	Wood	0.01	Neg.	
126	Bathroom 3	Door Frame	D	Wood	0.01	Neg.	
127	Janitor	Door	D	Wood	0.02	Neg.	
128	Janitor	Door Frame	D	Wood	0.02	Neg.	
129	Janitor	Wall	A	Concrete	0.01	Neg.	
130	Janitor	Wall	B	Concrete	0.02	Neg.	
131	Janitor	Wall	C	Concrete	0.02	Neg.	
132	Janitor	Wall	D	Concrete	0.02	Neg.	
133	Janitor	Floor	Floor	Concrete	0.00	Neg.	
134	Janitor	Ceiling	Top	Concrete	0.01	Neg.	
135	Gas Tank Area	Gate	D	Metal	0.02	Neg.	
136	Gas Tank Area	Wall	A	Metal	0.01	Neg.	
137	Gas Tank Area	Wall	C	Metal	0.02	Neg.	
138	Gas Tank Area	Wall	D	Metal	0.02	Neg.	
139	Gas Tank Area	Wall	B	Concrete	0.02	Neg.	
140	Gas Tank Area	Floor	Floor	Concrete	0.00	Neg.	
141	Gas Tank Area	Ceiling	Top	Concrete	0.01	Neg.	
142	Room 5	Wall	A	Concrete	0.00	Neg.	
143	Room 5	Wall	B	Concrete	0.00	Neg.	
144	Room 5	Wall	C	Concrete	0.00	Neg.	
145	Room 5	Wall	D	Concrete	0.00	Neg.	
146	Room 5	Floor	Floor	Concrete	0.00	Neg.	
147	Calibrate				1.1		
148	Calibrate				1.0		
149	Calibrate				1.1		



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GES 2024- 205	XRF Serial Number: 114943	Project: Bldg. T-102907000 PW- 7801, DI-219342 in Quebradillas, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: April 22, 2024	Page 28/36	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
150	Calibrate				1.0		
151	Calibrate				1.0		
152	Calibrate				1.0		
153	Bathroom 4	Door	D	Wood	0.01	Neg.	
154	Bathroom 4	Door Frame	D	Wood	0.01	Neg.	
155	Bathroom 4	Wall	A	Concrete	0.02	Neg.	
156	Bathroom 4	Wall	B	Concrete	0.04	Neg.	
157	Bathroom 4	Wall	C	Concrete	0.02	Neg.	
158	Bathroom 4	Wall	D	Concrete	0.02	Neg.	
159	Bathroom 4	Wall Tile	A	Ceramic	0.09	Neg.	
160	Bathroom 4	Wall Tile	B	Ceramic	0.09	Neg.	
161	Bathroom 4	Wall Tile	C	Ceramic	0.09	Neg.	
162	Bathroom 4	Wall Tile	D	Ceramic	0.08	Neg.	
163	Bathroom 4	Floor Tile	Floor	Ceramic	0.02	Neg.	
164	Bathroom 4	Ceiling	Top	Concrete	0.02	Neg.	
165	Bathroom 4	Toilet	B	Ceramic	0.01	Neg.	
166	Bathroom 4	Toilet	B	Ceramic	0.01	Neg.	
167	Bathroom 4	Urinal	B	Ceramic	0.06	Neg.	
168	Bathroom 4	Sink	C	Ceramic	0.01	Neg.	
169	Bathroom 4	Sink	C	Ceramic	0.01	Neg.	
170	Calibrate				1.0		
171	Calibrate				0.9		
172	Calibrate				1.0		



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ADDENDUM VI

TABLE SUMMARY OF COMPONENTS WITH LEAD BASED PAINT



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TABLE SUMMARY OF COMPONENTS WITH LEAD BASED PAINT

FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	UNITS/ SQ. FT. APPROX.
Exterior	Fire Hose Connection	B	Metal	1 Unit
Exterior	Fire Hose Connection	D	Metal	1 Unit
Exterior	Barrier Plates	D	Metal	1 sq. ft. approx.
Bathroom 2	Floor Tiles	Floor	Ceramic	40 sq. ft. approx.



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ADDENDUM VII

***PHOTOGRAPHS OF POSITIVE COMPONENTS WITH
LEAD BASED PAINT***



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Bathroom 2- Ceramic Floor Tiles with Lead Based Paint



Exterior-Side D- Metal Barrier Plates with Lead Based Paint



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Exterior- Side D- Metal Fire Hose Connection with Lead Based Paint



Exterior- Side B- Metal Fire Hose Connection with Lead Based Paint



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ADDENDUM VIII

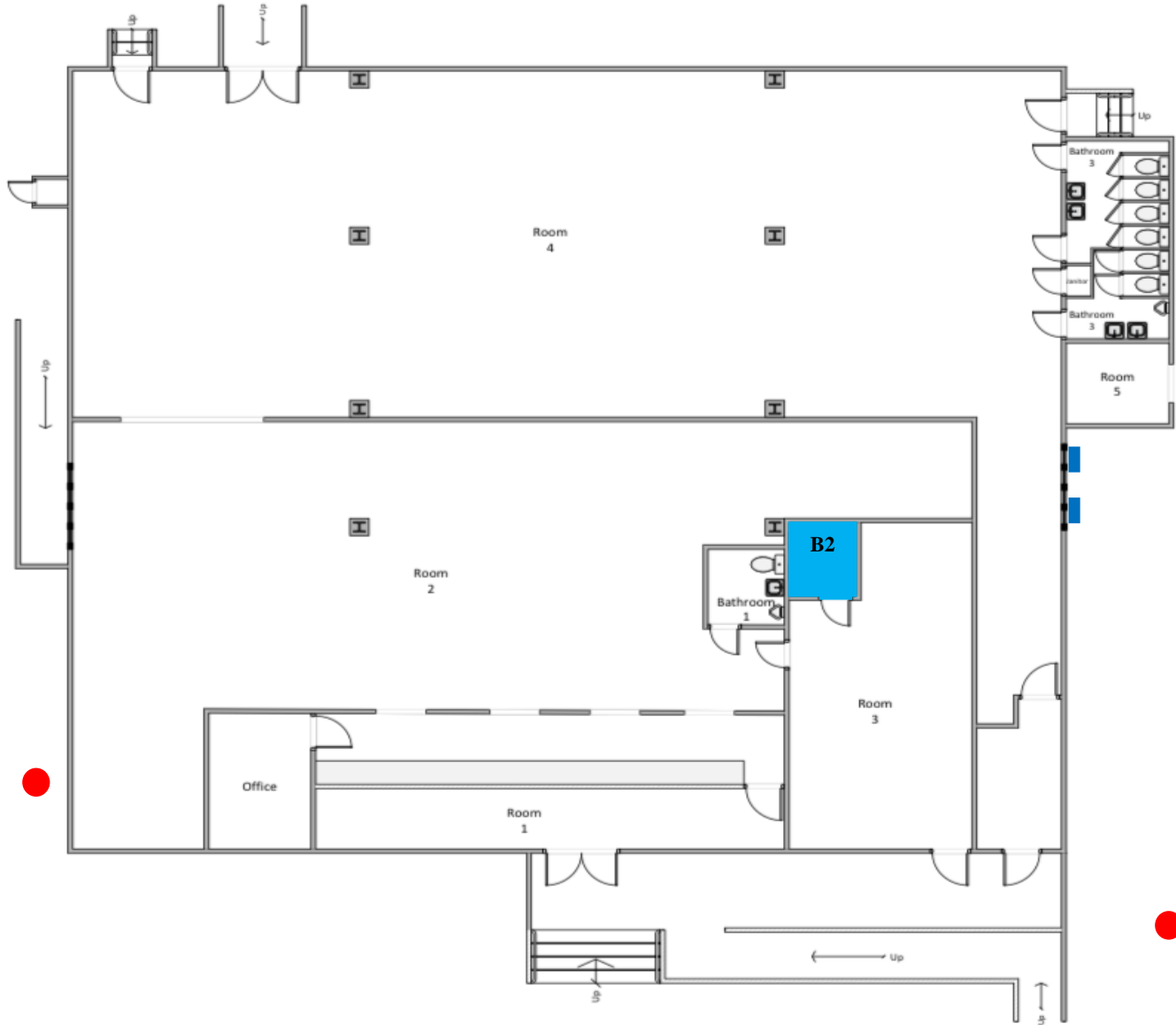
***WHERE THE POSITIVE COMPONENTS AREA FOUND WITH
LEAD BASED PAINT***



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LBP POSITIVE RESULTS LOCATIONS



NOT TO SCALE

Page 35/36



= CERAMIC FLOOR TILES WITH LBP



= METAL FIRE HOSE CONNECTION WITH LBP



= METAL BARRIER PLATES WITH LBP



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ADDENDUM VI

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of owner to hire a Company Certified in the Department of Natural and Environmental Resources (DNER) of Puerto Rico to mitigate and dispose positive areas with Lead Based Paint if is going to touch or demolish the Building areas.



GLOBAL ENVIRONMENTAL SERVICES LLC

Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com
POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



**SAMPLING CONDUCTED AT:
BUILDING T089406700
(PW-8067) & (DI-219458)
NORTH REGION**

Located at Road PR-111 Km. 0.1 Salto Abajo Ward in Utuado, PR



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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April 25, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T089406700 (PW-8067) & (DI-219458) North Region located at Road PR-111 Km. 0.1 Salto Abajo Ward in Utuado, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project (Building areas only). 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 April 8, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-0623-0270-SI with enough experience.

During the inspection, inspector found suspected Asbestos Containing Materials. A total (1) one bulk sample were collected in the reference project. The Asbestos Inspection work will be performed by Asbestos Hazards Emergency Response Act (AHERA) accredited asbestos inspectors under the Puerto Rico 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 was found positive materials with Asbestos** in reference project. See the following pages of the report that indicate positive areas and square feet.



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TABLE 1.0 – SUMMARY OF MATERIALS WITH ASBESTOS			
FUNCTIONAL SPACE	MATERIAL	% WITH ASBESTOS	SQ. FT. APPROX.
Lunch Area	Beige Mastic under sink	1% Chrysotile	4 sq. ft. approx. (1 Unit) (View Appendix VIII)

ROOFTOP AREAS -(BUILT TOP OR ROOF TREATMENT) TO THE DATE- NEW CONDITIONS- INSTALLED IN YEAR 2019-2020.



NOTE: THE ASBESTOS INSPECTION OF THE EXTERIOR ROOF WAS NOT CARRIED OUT SINCE THE EXISTING MEMBRANE IS UNDER WARRANTY ACCORDING TO THE CLIENT'S INSTRUCTIONS.



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If remodeling or demolishing activities will be conducted in the nearest future it is recommended to remove all Asbestos Containing Materials present within the structure as to comply with NESHAP/DNER requirement.

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

- a. The project are 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.
- 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/ 787-607-8965** or email globalespr@gmail.com.

Cordially;

**Mr. Angel O. Ortega, IH
Environmental Consultant
President**

**Mr. Angel M. Rivera
Asbestos Inspector ASB-0623-0270-SI**



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APPENDIX I

LAYOUT AND SITE LOCATIONS



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SITE AREA



**COORDINATES TO GET TO THE PROJECT:
18.2690049, -66.7125715**



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SITE AREA

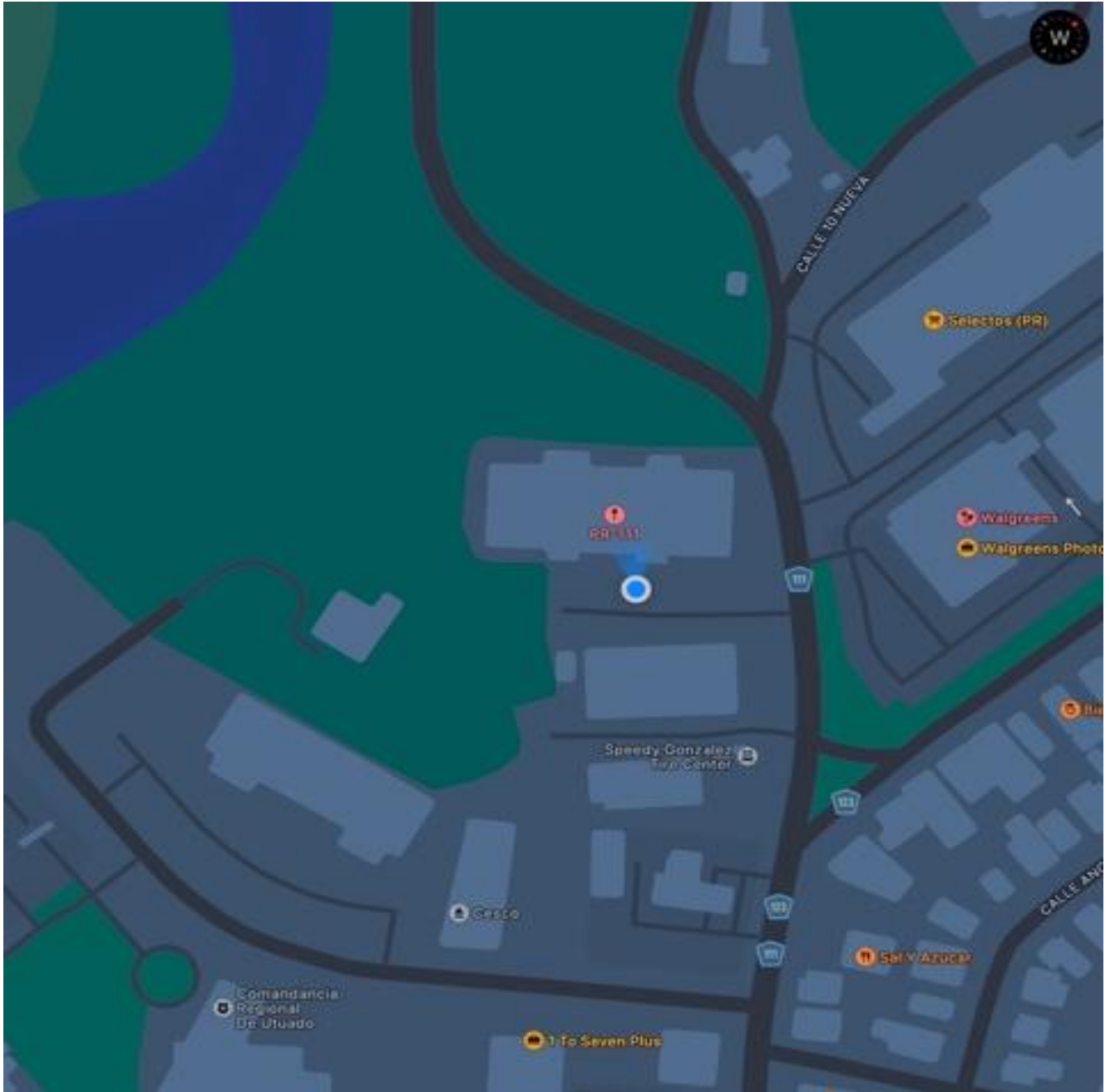




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SITE AREA

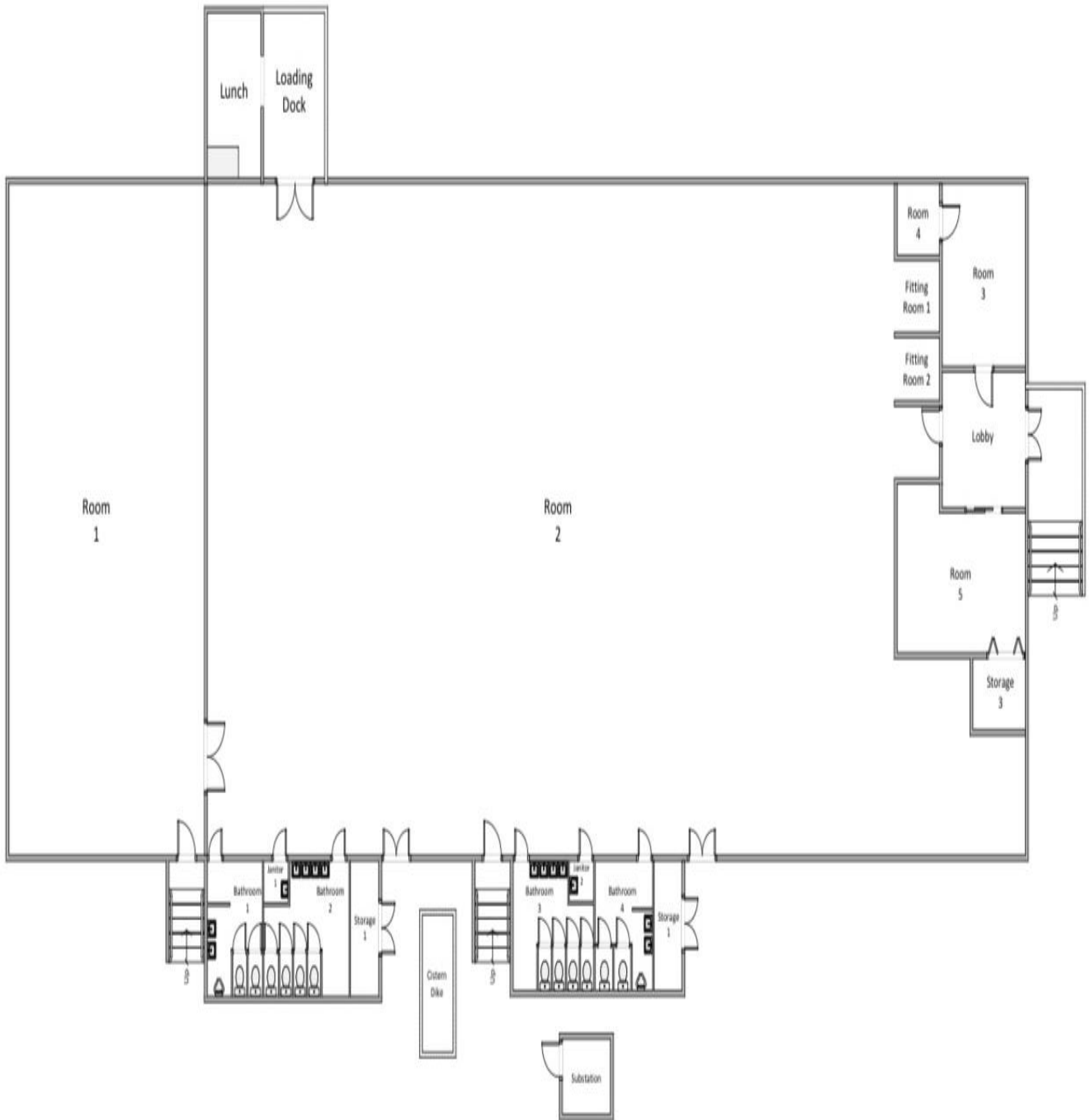




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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APPENDIX II

**CERTIFICATIONS GRANTED BY THE DNER OF
PUERTO RICO**



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ASBESTOS INSPECTOR CERTIFICATION

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p>
	<p>Esta tarjeta autoriza a:</p>
	<p><i>Ángel M. Rivera Guido</i></p>
	<p>Inspector</p>
	<p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.</p>
<p>ASB-0623-0270-SI</p>	
<p>Número de Registro</p>	<p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p>16-abr-2024</p>	
<p>Fecha de vencimiento</p>	



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APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM PHYSICAL & HAZARD ASSESSMENT



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GES- 2023-221	Asbestos Sample Inspection	Project: Blg. T089406700 PW-8067 DI- 219458 in Utuado, PR	Client: PRIDCO	Asbestos Inspector: Mr. Angel M. Rivera	Date: April 8, 2024	Page 15/29	
<i>Sample ID</i>	<i>Sample Description</i>	<i>Material Category</i>	<i>Asbestos Contents %</i>	<i>Friability</i>			<i>AHERA Assessment Category (1-7, X,None)</i>
DI-219458- AR-01	Lunch area- Black Mastic under sink	Misc.	1% Chrysotile	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
PROJECT***



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SAMPLE-DI-219458-AR-01



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APPENDIX V

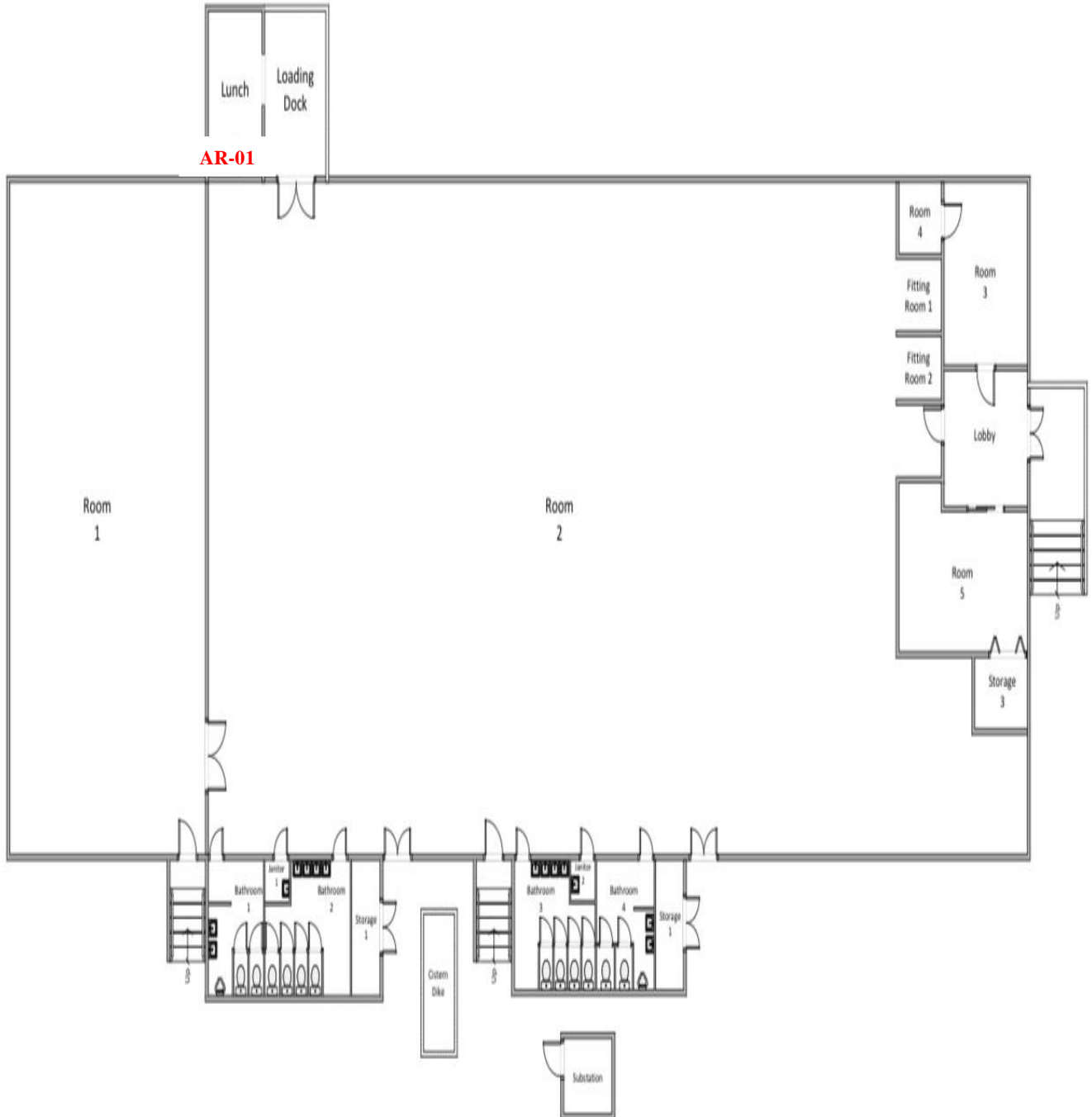
LOCATIONS OF BULKS SAMPLES TAKEN



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ACM BULKS SAMPLES LOCATIONS



NOT TO SCALE



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APPENDIX VI

CHAIN OF CUSTODY & ANALYTICAL RESULTS



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OrderID: 172401836



Asbestos Chain of Custody EMSL Order Number (lab use only):

172401836

EMSL ANALYTICAL INC.
19501 NE 10th AVE BAY A
N. MIAMI BEACH, FL 33179
PHONE: (305) 650-0577
FAX: (305) 650-0578

Company Name: Global Environmental Services, LLC		EMSL Customer ID: +56GLOE33	
Street: RR8 BOX 1995 PMB 313		City: BAYAMON State or Province: PR	
Zip/Postal Code: 00956	Country: US	Telephone #: (787) 607-8965 Fax #:	
Report To (Name): Angel O. Ortega		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: globalespr@gmail.com		Purchase Order Number:	
Client Project ID: 2023-205 / Pw-8067, 02-21956		EMSL Project ID (internal use only):	
State or Province Collected: Utuado, PR		CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - if bill to is different note instructions in comment. Third party billing requires written authorization from third party.			
Turnaround Time (TAT) Options Please Check			
<input type="checkbox"/> 3 Hr <input type="checkbox"/> 4-4.5 Hr <input type="checkbox"/> 6 Hr <input type="checkbox"/> 24 Hr <input type="checkbox"/> 32 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> 96 Hr <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>Premium Service Charge applies for 3 Hour TEM/ANGLA or EPA Level II TAT - you will be asked to sign an authorization form. TEM Air 3-4 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30am.</small>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA Shr, TWIA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB Point Count (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric: <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (Stable - NY) <input checked="" type="checkbox"/> -NYS-198.6 NOB (non-stable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-stable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) TEM - Water; EPA 100.2 <input type="checkbox"/> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking <input type="checkbox"/> All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Settled Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil - Rock - Vermiculite (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM <small>Lower reporting limit available on request.</small> Other test (please specify):	
<input type="checkbox"/> Stop At First Positive (clearly identify homogenous areas below)		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Sampler's Name: Angel M. Alvera		Sampler's Signature: Angel M. Alvera	
Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
02-21956-001	Black Asphalt, under street, Sanchez Area, City of Utuado, PR	n/a	Apr-23-2024 10:11 AM
Sample # Description/Location Volume, Area or Homogenous Area Date/Time Sampled			
Client Sample # (s): 02-21956-001		Total # of Samples: 1	
Relinquished by (Client): Angel M. Alvera		Date: Apr-23-2024	Time: 17:00
Received by (Lab):		Date:	Time:
Comments/Special Instructions:			

RECEIVED
APR 23 2024
1:05 PM

Controlled Document - COC-05 Accession - 812 - 8303208
EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody form in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions. Page 1 of 1 pages



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EMSL Analytical, Inc.

19501 NE 10th Ave. Bay A N. Miami Beach, FL 33179

Tel/Fax: (305) 650-0577 / (305) 650-0578

http://www.EMSL.com / miamilab@emsl.com

EMSL Order: 172401836

Customer ID: GLES75

Customer PO:

Project ID:

Attention: Angel Ortega

Global Environmental Services, LLC

RR8 BOX 1995

PMB 313

Bayamon, 00956

Phone: (787) 994-2203

Fax:

Received Date: 04/23/2024 1:05 PM

Analysis Date: 04/24/2024

Collected Date: 04/08/2024

Project: 2023-205 / PW-8067, DI-219458 Bldg # T089406700 Utuado, PR

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DI-219458-AR-01	Mastic Under Sink	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	1% Chrysotile
172401836-0001					

Analyst(s)

Mary Hamel (1)

Kimberly Wallace, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and meet method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. inoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 04/24/2024 09:32:58



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APPENDIX VII

TABLE SUMMARY OF MATERIALS WITH ASBESTOS



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TABLE SUMMARY OF MATERIALS WITH ASBESTOS

MATERIAL	FUNCTIONAL SPACES	% WITH ASBESTOS	QUANTITY
Black Mastic under sink	Lunch Area	4% Chrysotile	4 sq. ft. approx. (1 Unit) (View Appendix VIII)



Black Mastic under sink with Asbestos





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APPENDIX VIII

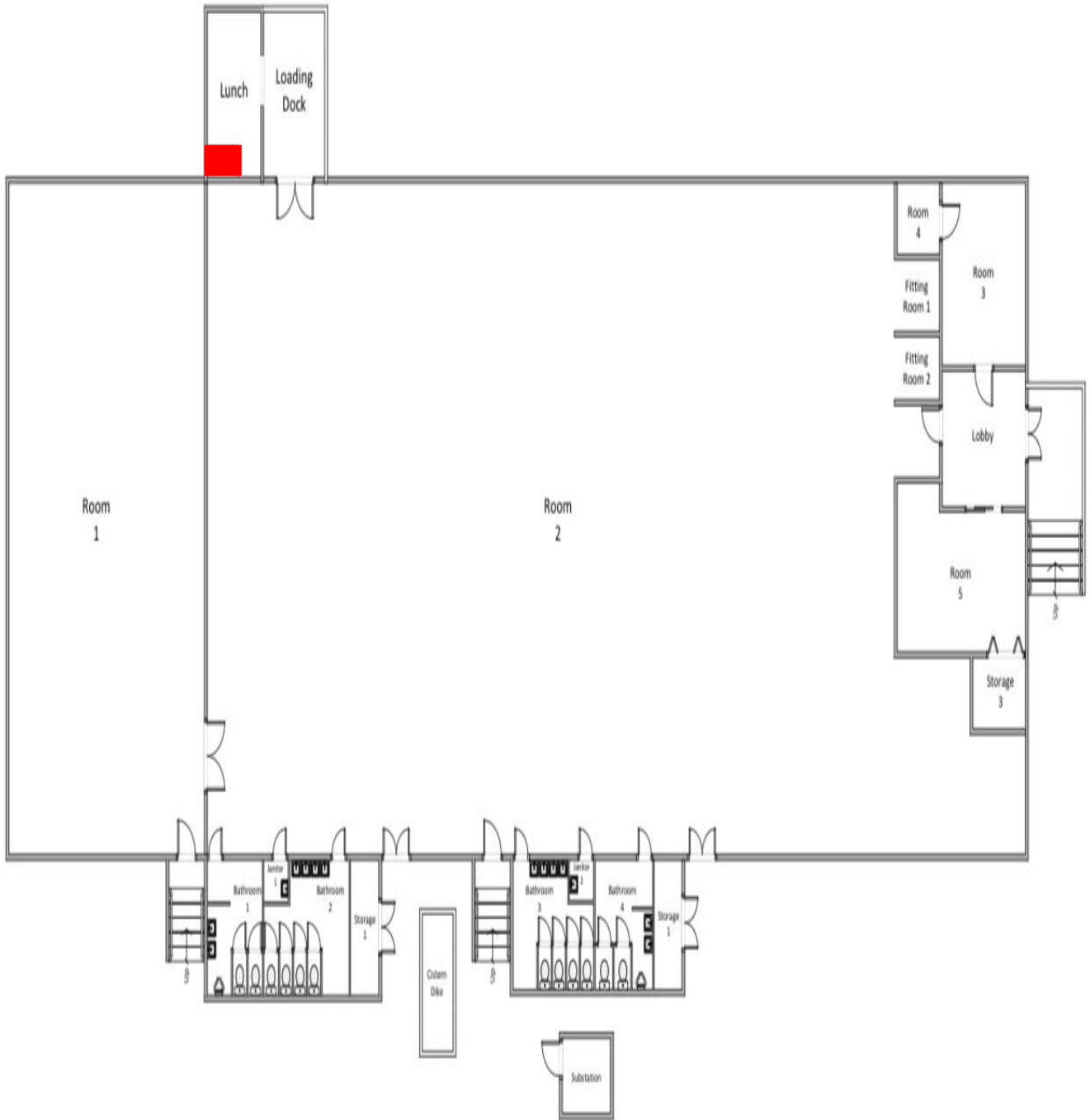
***AREAS WHERE THE POSITIVE MATERIALS ARE
FOUND WITH ASBESTOS***



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ACM POSITIVE RESULTS LOCATIONS



NOT TO SCALE

 = BLACK MASTIC UNDER SINK WITH ASBESTOS



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APPENDIX IX

LABORATORY CERTIFICATIONS



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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

*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).*

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



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APPENDIX X

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of the owner to hire a Certified Company by Department of Natural and Environmental Resources of Puerto Rico to removal and dispose positive area with Asbestos Containing Material if is going to touch, remodeling or demolish the reference project.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



***SAMPLING CONDUCTED AT:
BUILDING T089406700
(PW-8067) & (DI-219458)
NORTH REGION***

Located at Road PR-111 Km. 0.1 Salto Abajo Ward in Utuado, PR



GES Project # -2023-205

APRIL 2024



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April 18, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T089406700 (PW-8067) & (DI-219458) North Region located at Road PR-111 Km. 0.1 Salto Abajo Ward in Utuado, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (Building areas only).

The Lead Paint Standard is in Addendum I of the Report. Project Photos in Addendum III of the report. The Inspection performance with Thermo Fisher Scientific XRF Niton's Model Xlp 300A Serial Number 114943 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint Inspection was conducted on April 8, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-33923-409 with enough experience.

The project consisted of evaluation in all components in Building located in Utuado, PR. During the evaluation **we found positive components with Lead Based Paint** in said project.

TABLE 1.0 – SUMMARY OF COMPONENTS WITH LEAD BASED PAINT				
FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	UNITS
Bathroom 1	Urinal	B	Ceramic	1 Unit
Janitor	Sink	A	Ceramic	1 Unit
Janitor 2	Sink	C	Ceramic	1 Unit
Bathroom 2	Urinal	B	Ceramic	1 Unit



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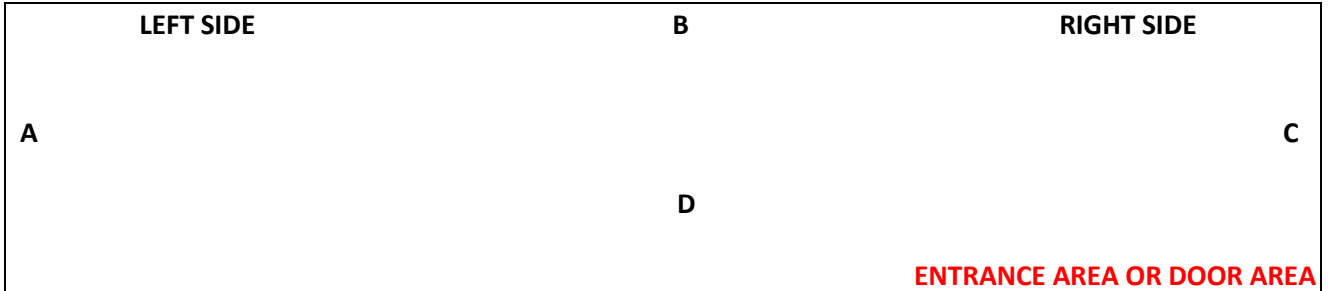
Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.

TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm ² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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, J/S
Environmental Consultant
President

Mr. Angel M. Rivera
Lead Based Paint Inspector LBPI-33923-409



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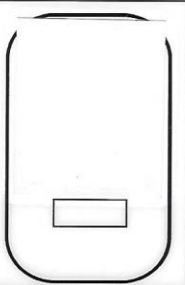
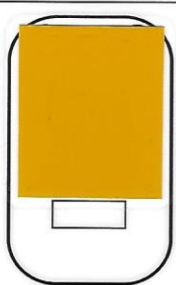

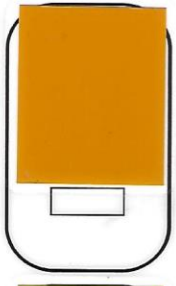
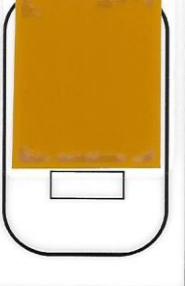

ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com	Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com	Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLp 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

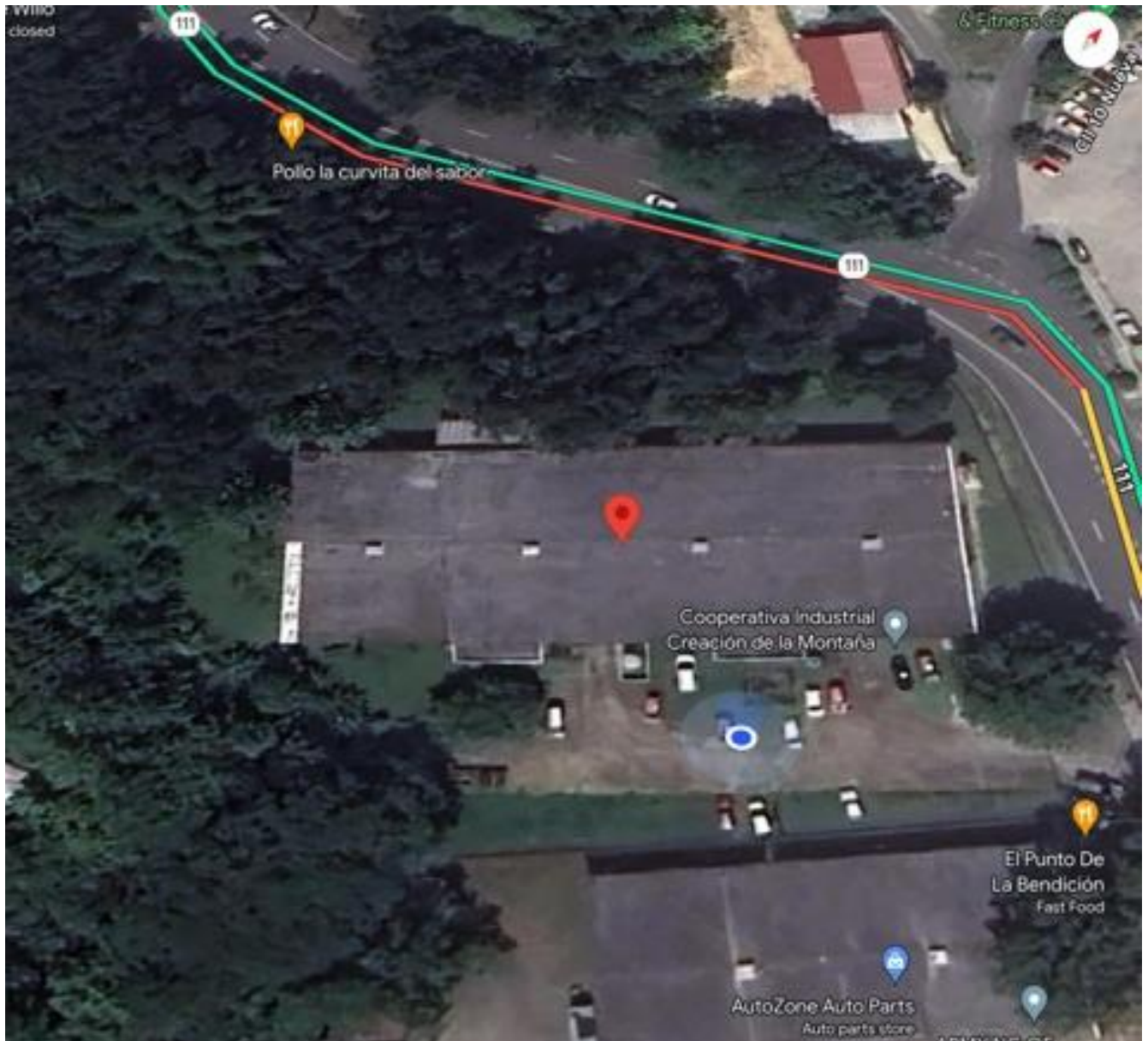
SITE AREA & FUNCTIONAL SPACES



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SITE AREA



**COORDINATES TO GET TO THE PROJECT:
18.2690049, -66.7125715**



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SITE AREA

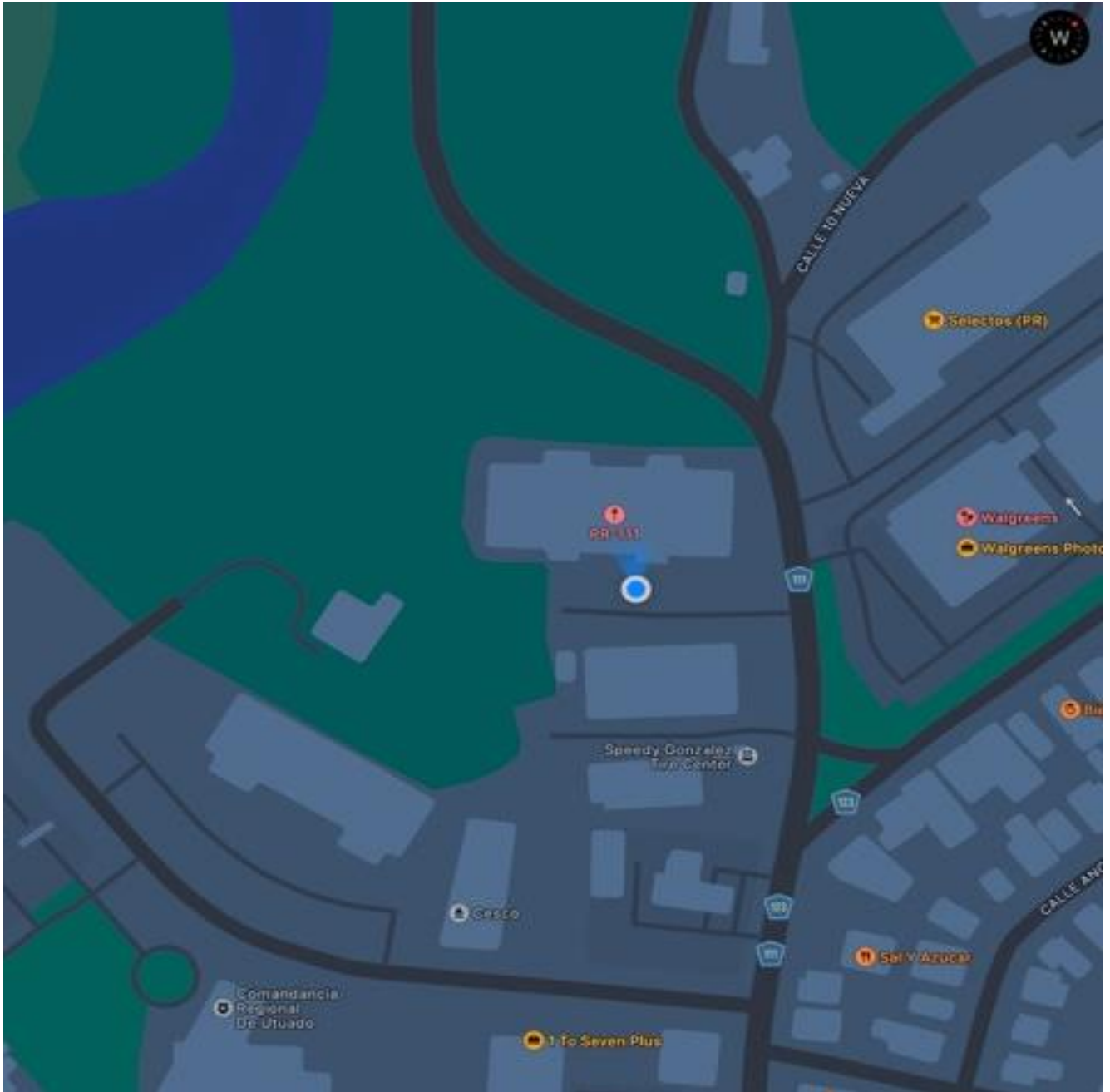




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SITE AREA

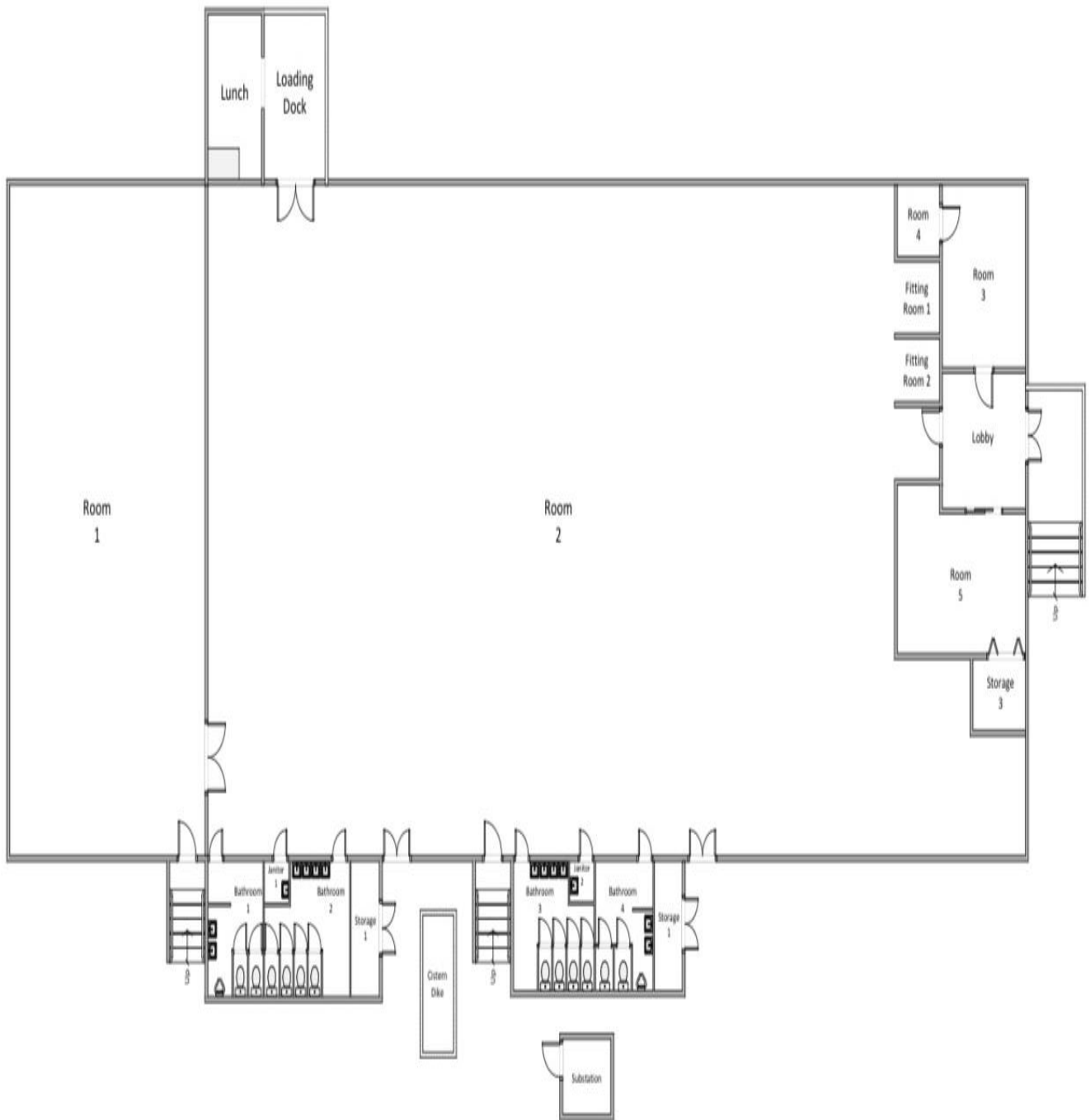




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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ADDENDUM IV

***CERTIFICATIONS GRANTED BY THE DEPARTMENT OF NATURAL
AND ENVIRONMENTAL RESOURCES OF PUERTO RICO***



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





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MR. ANGEL M. RIVERA - LEAD BASED PAINT INSPECTOR CERTIFICATION

CERTIFICACIÓN PLOMO PUERTO RICO



Esta tarjeta autoriza a:
Ángel M. Rivera Guido
Para realizar actividades relacionadas a
Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**
Fecha de Expiración: Diciembre 1, 2024



Firma Autorizada
Departamento de Recursos Naturales y
Ambientales

Certificación #:
LBPI-33923-409

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Angel Rivera

Has successfully completed

Safety Training for
~ Sealed Source XRF - Radiation Safety ~

Supervisor Signature _____

5/13/20
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific



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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2023- 205	XRF Serial Number: 114943	Project: Blg. T089406700 PW-8067 DI-219458 in Utuaado, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: April 8, 2024	Page 21/40	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
1	Calibrate				1.0		
2	Calibrate				0.9		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Side A Stair	Floor	Floor	Ceramic	0.02	Neg.	
9	Side A Stair	Handrail	A	Metal	0.02	Neg.	
10	Side A Stair	Handrail	C	Metal	0.02	Neg.	
11	Side C Stair	Handrail	A	Metal	0.02	Neg.	
12	Side C Stair	Handrail	C	Metal	0.02	Neg.	
13	Side D Stair	Floor	Floor	Ceramic	0.02	Neg.	
14	Side D Stair	Handrail	A	Metal	0.02	Neg.	
15	Side D Stair	Handrail	C	Metal	0.02	Neg.	
16	Room 1	Door	D	Metal	0.02	Neg.	
17	Room 1	Door Frame	D	Metal	0.02	Neg.	
18	Room 1	Wall	A	Concrete	0.01	Neg.	
19	Room 1	Wall	B	Concrete	0.01	Neg.	
20	Room 1	Wall	D	Concrete	0.02	Neg.	
21	Room 1	Wall	C	GB	0.02	Neg.	
22	Room 1	Floor	Floor	Concrete	0.00	Neg.	
23	Room 1	Ceiling	Top	Metal	0.01	Neg.	
24	Room 1	Column	A	Ceramic	0.02	Neg.	
25	Room 1	Column	A	Ceramic	0.02	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
26	Room 1	Column	C	Ceramic	0.02	Neg.	
27	Room 1	Column	C	Ceramic	0.02	Neg.	
28	Room 1	Column	Center Side	Ceramic	0.02	Neg.	
29	Room 1	Column	Center Side	Ceramic	0.02	Neg.	
30	Room 2	Door	D	Metal	0.02	Neg.	
31	Room 2	Door Frame	D	Metal	0.02	Neg.	
32	Room 2	Wall	A	Concrete	0.01	Neg.	
33	Room 2	Wall	B	Concrete	0.01	Neg.	
34	Room 2	Wall	C	Concrete	0.02	Neg.	
35	Room 2	Wall	D	GB	0.01	Neg.	
36	Room 2	Floor	Floor	Concrete	0.00	Neg.	
37	Room 2	Ceiling	Top	Metal	0.01	Neg.	
38	Room 2	Column	A	Ceramic	0.02	Neg.	
39	Room 2	Column	A	Ceramic	0.02	Neg.	
40	Room 2	Column	A	Ceramic	0.02	Neg.	
41	Room 2	Column	A	Ceramic	0.02	Neg.	
42	Room 2	Column	C	Ceramic	0.02	Neg.	
43	Room 2	Column	C	Ceramic	0.02	Neg.	
44	Room 2	Column	C	Ceramic	0.02	Neg.	
45	Room 2	Column	C	Ceramic	0.02	Neg.	
46	Room 2	Column	Center Side	Ceramic	0.02	Neg.	
47	Room 2	Column	Center	Ceramic	0.02	Neg.	
48	Room 2	Column	Center Side	Ceramic	0.02	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
49	Room 2	Column	Center Side	Ceramic	0.02	Neg.	
50	Room 2	Gate	C	Metal	0.02	Neg.	
51	Room 2	Rolling Door	C	Metal	0.02	Neg.	
52	Room 2	Gate	C	Metal	0.02	Neg.	
53	Room 2	Rolling Door	C	Metal	0.02	Neg.	
54	Room 2	Door	C	Metal	0.02	Neg.	
55	Room 2	Door Frame	C	Metal	0.02	Neg.	
56	Loading Dock	Gate	D	Metal	0.02	Neg.	
57	Loading Dock	Door	D	Metal	0.02	Neg.	
58	Loading Dock	Door Frame	D	Metal	0.02	Neg.	
59	Loading Dock	Wall	A	Concrete	0.01	Neg.	
60	Loading Dock	Wall	B	Concrete	0.01	Neg.	
61	Loading Dock	Wall	C	Concrete	0.02	Neg.	
62	Loading Dock	Wall	D	Concrete	0.02	Neg.	
63	Loading Dock	Fence	B	Metal	0.01	Neg.	
64	Loading Dock	Fence	C	Metal	0.02	Neg.	
65	Loading Dock	Fence	D	Metal	0.02	Neg.	
66	Loading Dock	Floor	Floor	Concrete	0.00	Neg.	
67	Loading Dock	Ceiling	Top	Metal	0.01	Neg.	
68	Lunch	Wall	A	Concrete	0.01	Neg.	
69	Lunch	Wall	B	Concrete	0.01	Neg.	
70	Lunch	Wall	C	Concrete	0.02	Neg.	
71	Lunch	Wall	D	Concrete	0.02	Neg.	
72	Lunch	Wall Tile	A	Ceramic	0.03	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
73	Lunch	Countertop Tile	A	Ceramic	0.03	Neg.	
74	Lunch	Fence	A	Metal	0.01	Neg.	
75	Lunch	Fence	B	Metal	0.02	Neg.	
76	Lunch	Fence	C	Metal	0.02	Neg.	
77	Lunch	Fence	D	Metal	0.02	Neg.	
78	Lunch	Floor	Floor	Concrete	0.00	Neg.	
79	Lunch	Ceiling	Top	Metal	0.01	Neg.	
80	Bathroom 1	Door	D	Wood	0.01	Neg.	
81	Bathroom 1	Door Frame	D	Wood	0.01	Neg.	
82	Bathroom 1	Wall	A	Concrete	0.02	Neg.	
83	Bathroom 1	Wall	B	Concrete	0.01	Neg.	
84	Bathroom 1	Wall	C	Concrete	0.02	Neg.	
85	Bathroom 1	Wall	D	Concrete	0.02	Neg.	
86	Bathroom 1	Floor	Floor	Concrete	0.00	Neg.	
87	Bathroom 1	Baseboard	A	Ceramic	0.02	Neg.	
88	Bathroom 1	Baseboard	B	Ceramic	0.02	Neg.	
89	Bathroom 1	Baseboard	C	Ceramic	0.02	Neg.	
90	Bathroom 1	Baseboard	D	Ceramic	0.02	Neg.	
91	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	
92	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
93	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
94	Bathroom 1	Urinal	B	Ceramic	3.2	Pos.	1 Unit.
95	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	
96	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.	
97	Janitor 1	Door	D	Wood	0.01	Neg.		
98	Janitor 1	Door Frame	D	Wood	0.01	Neg.		
99	Janitor 1	Wall	A	Concrete	0.02	Neg.		
100	Janitor 1	Wall	B	Concrete	0.01	Neg.		
101	Janitor 1	Wall	C	Concrete	0.02	Neg.		
102	Janitor 1	Wall	D	Concrete	0.02	Neg.		
103	Janitor 1	Floor	Floor	Concrete	0.00	Neg.		
104	Janitor 1	Ceiling	Top	Concrete	0.01	Neg.		
105	Janitor 1	Sink	A	Ceramic	4.5	Pos.	1 Unit.	
106	Janitor 1	Shelves	B	Wood	0.02	Neg.		
107	Bathroom 2	Door	D	Wood	0.01	Neg.		
108	Bathroom 2	Door Frame	D	Wood	0.01	Neg.		
109	Bathroom 2	Wall	A	Concrete	0.02	Neg.		
110	Bathroom 2	Wall	B	Concrete	0.01	Neg.		
111	Bathroom 2	Wall	C	Concrete	0.02	Neg.		
112	Bathroom 2	Wall	D	Concrete	0.02	Neg.		
113	Bathroom 2	Floor	Floor	Concrete	0.00	Neg.		
114	Bathroom 2	Baseboard	A	Ceramic	0.02	Neg.		
115	Bathroom 2	Baseboard	B	Ceramic	0.02	Neg.		
116	Bathroom 2	Baseboard	C	Ceramic	0.02	Neg.		
117	Bathroom 2	Baseboard	D	Ceramic	0.02	Neg.		
118	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.		
119	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
120	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		
121	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.		



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./Neg.	Approx. Sq. Ft. / Ln. Ft.
122	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
123	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
124	Bathroom 2	Sink	D	Ceramic	0.01	Neg.	
125	Bathroom 2	Sink	D	Ceramic	0.01	Neg.	
126	Bathroom 2	Sink	D	Ceramic	0.01	Neg.	
127	Bathroom 2	Sink	D	Ceramic	0.01	Neg.	
128	Storage 1	Gate	D	Metal	0.02	Neg.	
129	Storage 1	Wall	A	Concrete	0.02	Neg.	
130	Storage 1	Wall	B	Concrete	0.01	Neg.	
131	Storage 1	Wall	C	Concrete	0.02	Neg.	
132	Storage 1	Wall	D	Concrete	0.02	Neg.	
133	Storage 1	Floor	Floor	Concrete	0.00	Neg.	
134	Storage 1	Ceiling	Top	Concrete	0.01	Neg.	
135	Storage 1	Gate	A	Metal	0.02	Neg.	
136	Storage 1	Gate	D	Metal	0.02	Neg.	
137	Storage 1	Gate	D	Metal	0.02	Neg.	
138	Bathroom 3	Door	D	Wood	0.01	Neg.	
139	Bathroom 3	Door Frame	D	Wood	0.01	Neg.	
140	Bathroom 3	Wall	A	Concrete	0.02	Neg.	
141	Bathroom 3	Wall	B	Concrete	0.01	Neg.	
142	Bathroom 3	Wall	C	Concrete	0.02	Neg.	
143	Bathroom 3	Wall	D	Concrete	0.02	Neg.	
144	Bathroom 3	Floor	Floor	Concrete	0.00	Neg.	
145	Bathroom 3	Baseboard	A	Ceramic	0.02	Neg.	
146	Bathroom 3	Baseboard	B	Ceramic	0.02	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
147	Bathroom 3	Baseboard	C	Ceramic	0.02	Neg.	
148	Bathroom 3	Baseboard	D	Ceramic	0.02	Neg.	
149	Bathroom 3	Ceiling	Top	Concrete	0.02	Neg.	
150	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
151	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
152	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
153	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
154	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
155	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
156	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
157	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
158	Bathroom 3	Sink	D	Ceramic	0.01	Neg.	
159	Janitor 2	Door	D	Wood	0.01	Neg.	
160	Janitor 2	Door Frame	D	Wood	0.01	Neg.	
161	Janitor 2	Wall	A	Concrete	0.02	Neg.	
162	Janitor 2	Wall	B	Concrete	0.01	Neg.	
163	Janitor 2	Wall	C	Concrete	0.02	Neg.	
164	Janitor 2	Wall	D	Concrete	0.02	Neg.	
165	Janitor 2	Floor	Floor	Concrete	0.00	Neg.	
166	Janitor 2	Ceiling	Top	Concrete	0.01	Neg.	
167	Janitor 2	Sink	C	Ceramic	3.1	Pos.	1 Unit.
168	Janitor 2	Shelve	B	Wood	0.02	Neg.	
169	Bathroom 4	Door	D	Wood	0.01	Neg.	
170	Bathroom 4	Door Frame	D	Wood	0.01	Neg.	
171	Bathroom 4	Wall	A	Concrete	0.02	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
172	Bathroom 4	Wall	B	Concrete	0.01	Neg.	
173	Bathroom 4	Wall	C	Concrete	0.02	Neg.	
174	Bathroom 4	Wall	D	Concrete	0.02	Neg.	
175	Bathroom 4	Floor	Floor	Concrete	0.00	Neg.	
176	Bathroom 4	Baseboard	A	Ceramic	0.02	Neg.	
177	Bathroom 4	Baseboard	B	Ceramic	0.02	Neg.	
178	Bathroom 4	Baseboard	C	Ceramic	0.02	Neg.	
179	Bathroom 4	Baseboard	D	Ceramic	0.02	Neg.	
180	Bathroom 4	Ceiling	Top	Concrete	0.02	Neg.	
181	Bathroom 4	Sink	A	Ceramic	0.01	Neg.	
182	Bathroom 4	Sink	A	Ceramic	0.01	Neg.	
183	Bathroom 4	Urinal	B	Ceramic	2.5	Pos.	1 Unit.
184	Bathroom 4	Toilet	B	Ceramic	0.01	Neg.	
185	Bathroom 4	Toilet	B	Ceramic	0.01	Neg.	
186	Storage 1	Gate	D	Metal	0.02	Neg.	
187	Storage 1	Wall	A	Concrete	0.02	Neg.	
188	Storage 1	Wall	B	Concrete	0.01	Neg.	
189	Storage 1	Wall	C	Concrete	0.02	Neg.	
190	Storage 1	Wall	D	Concrete	0.02	Neg.	
191	Storage 1	Floor	Floor	Concrete	0.00	Neg.	
192	Storage 1	Ceiling	Top	Concrete	0.01	Neg.	
193	Fitting Room 1	Wall	A	GB	0.01	Neg.	
194	Fitting Room 1	Wall	B	GB	0.01	Neg.	
195	Fitting Room 1	Wall	A	GB	0.01	Neg.	
196	Fitting Room 1	Floor	Floor	Concrete	0.00	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.	
197	Fitting Room 1	Ceiling	Top	Metal	0.01	Neg.		
198	Fitting Room 2	Wall	A	GB	0.01	Neg.		
199	Fitting Room 2	Wall	B	GB	0.01	Neg.		
200	Fitting Room 2	Wall	A	GB	0.01	Neg.		
201	Fitting Room 2	Floor	Floor	Concrete	0.00	Neg.		
202	Fitting Room 2	Ceiling	Top	Metal	0.01	Neg.		
203	Lobby	Door	D	Metal	0.02	Neg.		
204	Lobby	Door Frame	D	Metal	0.02	Neg.		
205	Lobby	Wall	A	GB	0.01	Neg.		
206	Lobby	Wall	B	GB	0.01	Neg.		
207	Lobby	Wall	C	GB	0.01	Neg.		
208	Lobby	Wall	D	GB	0.01	Neg.		
209	Lobby	Floor Tile	Floor	Ceramic	0.02	Neg.		
210	Lobby	Floor Tile 2	Floor	Ceramic	0.05	Neg.		
211	Lobby	Baseboard	A	Wood	0.02	Neg.		
212	Lobby	Baseboard	B	Wood	0.02	Neg.		
213	Lobby	Baseboard	C	Wood	0.02	Neg.		
214	Lobby	Baseboard	D	Wood	0.02	Neg.		
215	Lobby	Ceiling	Top	Metal	0.01	Neg.		
216	Lobby	Door	B	Metal	0.02	Neg.		
217	Lobby	Door Frame	B	Metal	0.02	Neg.		
218	Room 3	Door	D	Metal	0.02	Neg.		
219	Room 3	Door Frame	D	Metal	0.02	Neg.		
220	Room 3	Wall	A	Concrete	0.01	Neg.		
221	Room 3	Wall	B	Concrete	0.02	Neg.		



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
222	Room 3	Wall	C	Concrete	0.01	Neg.	
223	Room 3	Wall	D	Concrete	0.02	Neg.	
224	Room 3	Wall	B	GB	0.01	Neg.	
225	Room 3	Wall	C	GB	0.02	Neg.	
226	Room 3	Wall	D	GB	0.01	Neg.	
227	Room 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
228	Room 3	Floor Tile 2	Floor	Ceramic	0.05	Neg.	
229	Room 3	Baseboard	A	Wood	0.02	Neg.	
230	Room 3	Baseboard	B	Wood	0.02	Neg.	
231	Room 3	Baseboard	C	Wood	0.02	Neg.	
232	Room 3	Baseboard	D	Wood	0.02	Neg.	
233	Room 3	Ceiling	Top	Metal	0.01	Neg.	
234	Room 4	Door	D	Wood	0.02	Neg.	
235	Room 4	Door Frame	D	Wood	0.02	Neg.	
236	Room 4	Wall	A	Concrete	0.01	Neg.	
237	Room 4	Wall	B	Concrete	0.02	Neg.	
238	Room 4	Wall	C	Concrete	0.02	Neg.	
239	Room 4	Wall	D	Concrete	0.02	Neg.	
240	Room 4	Floor Tile	Floor	Ceramic	0.02	Neg.	
241	Room 4	Baseboard	D	Wood	0.02	Neg.	
242	Room 4	Ceiling	Top	Concrete	0.01	Neg.	
243	Room 5	Wall	A	GB	0.01	Neg.	
244	Room 5	Wall	B	GB	0.01	Neg.	
245	Room 5	Wall	C	GB	0.02	Neg.	
246	Room 5	Wall	D	GB	0.01	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
247	Room 5	Wall	A	Concrete	0.02	Neg.	
248	Room 5	Floor Tile	Floor	Ceramic	0.02	Neg.	
249	Room 5	Baseboard	A	Wood	0.02	Neg.	
250	Room 5	Baseboard	B	Wood	0.02	Neg.	
251	Room 5	Baseboard	C	Wood	0.02	Neg.	
252	Room 5	Baseboard	D	Wood	0.02	Neg.	
253	Room 5	Ceiling	Top	Metal	0.01	Neg.	
254	Storage 3	Sliding Door	D	Wood	0.02	Neg.	
255	Storage 3	Wall	A	Concrete	0.01	Neg.	
256	Storage 3	Wall	A	GB	0.01	Neg.	
257	Storage 3	Wall	B	GB	0.01	Neg.	
258	Storage 3	Wall	C	GB	0.01	Neg.	
259	Storage 3	Wall	D	GB	0.01	Neg.	
260	Storage 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
261	Storage 3	Baseboard	A	Wood	0.02	Neg.	
262	Storage 3	Baseboard	B	Wood	0.02	Neg.	
263	Storage 3	Baseboard	C	Wood	0.02	Neg.	
264	Storage 3	Baseboard	D	Wood	0.02	Neg.	
265	Storage 3	Ceiling	Top	Concrete	0.01	Neg.	
266	Storage 3	Shelves	B	Wood	0.01	Neg.	
267	Cistern Dike	Wall	A	Concrete	0.01	Neg.	



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Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft. / Ln. Ft.
268	Cistern Dike	Wall	B	Concrete	0.01	Neg.	
269	Cistern Dike	Wall	C	Concrete	0.02	Neg.	
270	Cistern Dike	Wall	D	Concrete	0.02	Neg.	
271	Cistern Dike	Floor	Floor	Concrete	0.00	Neg.	
272	Calibrate				1.0		
273	Calibrate				1.1		
274	Calibrate				1.1		



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ADDENDUM VI

***TABLE SUMMARY OF COMPONENTS WITH
LEAD BASED PAINT***



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TABLE SUMMARY OF COMPONENTS WITH LEAD BASED PAINT

FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	UNITS
Bathroom 1	Urinal	B	Ceramic	1 Unit
Janitor	Sink	A	Ceramic	1 Unit
Janitor 2	Sink	C	Ceramic	1 Unit
Bathroom 4	Urinal	B	Ceramic	1 Unit



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ADDENDUM VII

***PHOTOGRAPHS OF POSITIVE COMPONENTS WITH
LEAD BASED PAINT***



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Bathroom 1- Ceramic Urinal with Lead Based Paint



Janitor- Ceramic Sink with Lead Based Paint



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Janitor 2- Ceramic Sink with Lead Based Paint



Bathroom 4- Ceramic Urinal with Lead Based Paint



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ADDENDUM VIII

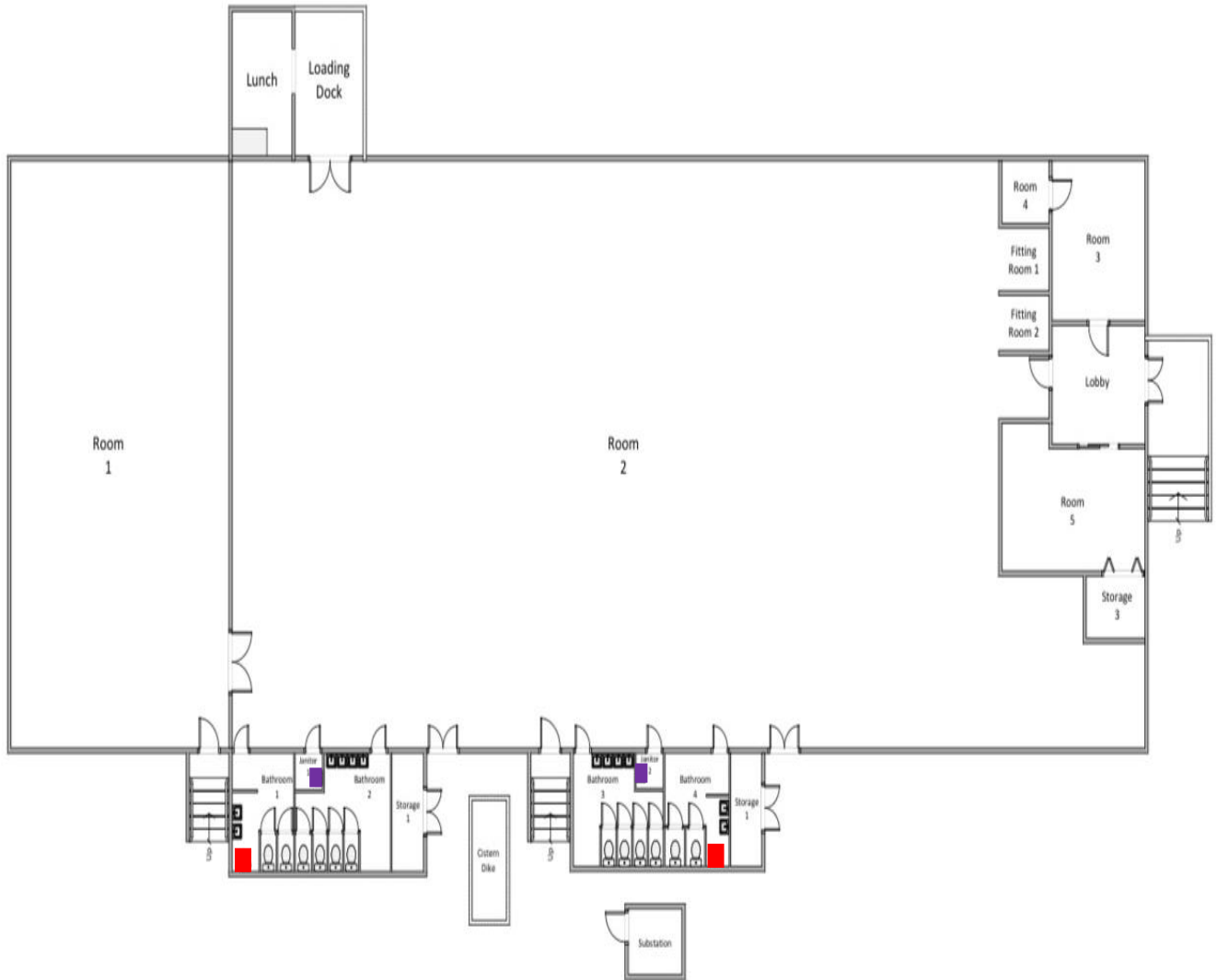
***WHERE THE POSITIVE COMPONENTS AREA FOUND WITH
LEAD BASED PAINT***



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LBP POSITIVE RESULTS LOCATIONS



NOT TO SCALE

Page 39/40

 = CERAMIC URINAL WITH LBP

 = CERAMIC SINK WITH LBP



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ADDENDUM VI

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of owner to hire a Company Certified in the Department of Natural and Environmental Resources (DNER) of Puerto Rico to mitigate and dispose positive areas with Lead Based Paint if is going to touch or demolish the Building areas.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



SAMPLING CONDUCTED AT:

***BUILDING T082506700
(PW-8144) & (DI-218811)***

NORTH REGION

Zeno Gandia Industrial Park

***Located at Road PR-128 Km. 40.9 Lot #24 Zeno Gandia Industrial Park in
Arecibo, PR***



GES Project # -2023-205

MARCH 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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GLOBAL ENVIRONMENTAL SERVICES LLC

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

March 30, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T082506700 (PW-8144) & (DI-218811) North Region- located at Road PR-128 Km. 40.9 Lot #24 Zeno Gandia Industrial Park in Arecibo, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection at reference project **(Building areas only)**.

Asbestos Containing Building Material (ACBM) is defined as any material which contains more that 1% percent Asbestos.

The ACM Inspection was conducted on March 23, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-1223-0600-SI with enough experience.

During the inspection, inspector **NO suspected Asbestos Containing Materials**. The asbestos inspection work will be performed by Asbestos Hazards Emergency Response Act (AHERA) accredited asbestos inspectors under the PR Environmental Quality Board 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.

Global Environmental Services LLC **certifies (all interior areas) asbestos free in reference project.**



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ROOFTOP AREAS -(BUILT TOP OR ROOF TREATMENT) TO THE DATE- NEW CONDITIONS



NOTE: THE ASBESTOS INSPECTION OF THE EXTERIOR ROOF WAS NOT CARRIED OUT SINCE THE EXISTING MEMBRANE IS UNDER WARRANTY ACCORDING TO THE CLIENT'S INSTRUCTIONS.

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

- a. The project is divided various functional spaces.
- b. Physical and hazard assessment of suspected asbestos containing materials was performed.
- c. Samples were collected according to homogenous areas.(Does not apply).
- d. Samples sent to NVLAP Accredited Laboratory. (Does not apply).
- e. Samples were analyzed by PLM method, in accordance to EPA recommended procedures. (Does not apply).

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-1223-0600-SI



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APPENDIX I

**CERTIFICATIONS GRANTED BY THE
DEPARTMENT OF NATURAL AND
ENVIRONMENTAL RESOURCES
OF PUERTO RICO**



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ASBESTOS INSPECTOR CERTIFICATION

	TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO Esta tarjeta autoriza a: Elis J. Morales Rivera Inspector
ASB-1223-0600-SI Número de Registro	A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.
11-nov-2024 Fecha de vencimiento	 Firma Autorizada - Departamento Recursos Naturales y Ambientales



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APPENDIX II

SITE AREAS & LAYOUT



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4586870, -66.7430478



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SITE AREA

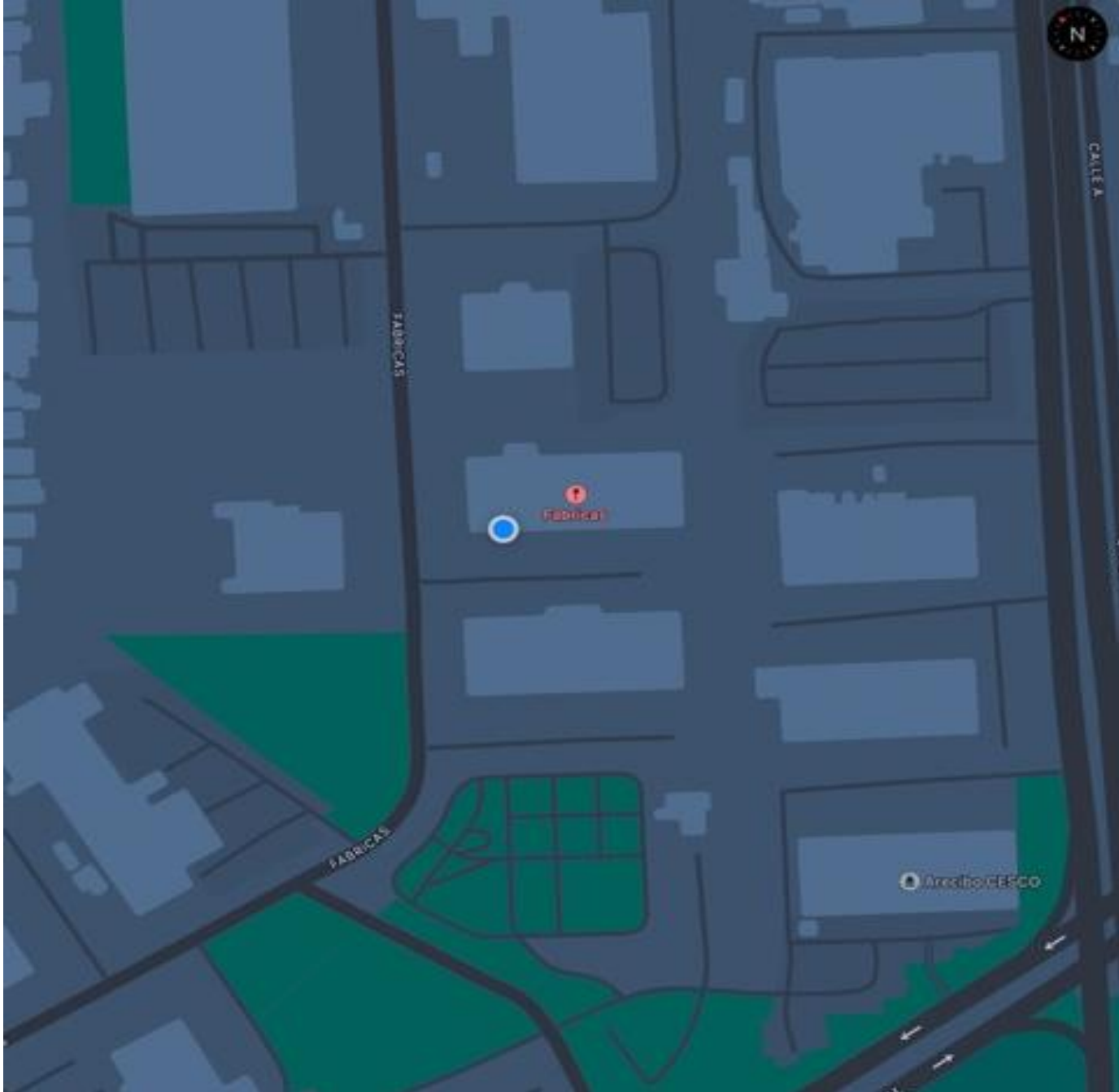




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SITE AREA

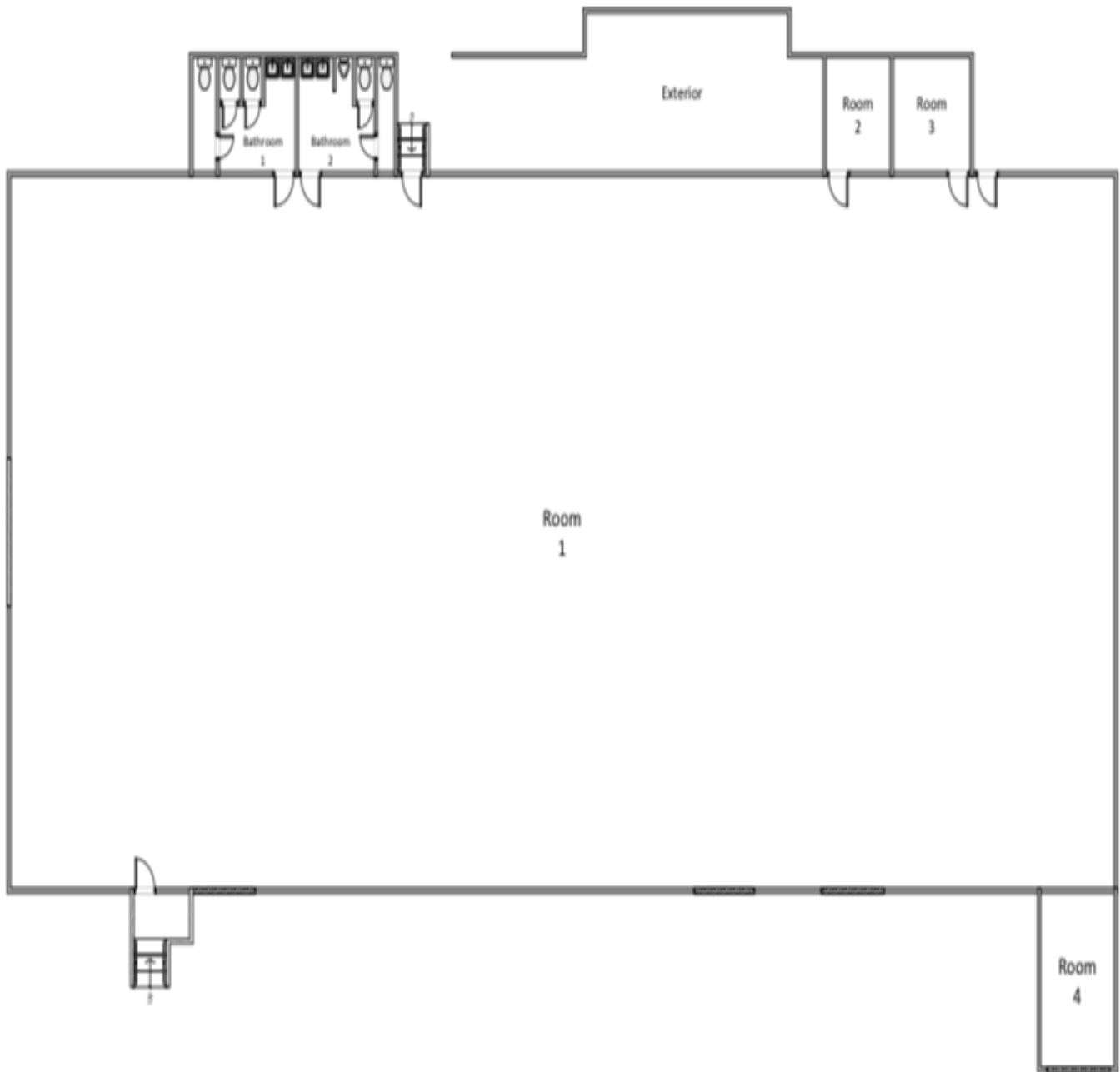




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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APPENDIX III

ASBESTOS NEGATIVE CERTIFICATION



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GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Elis J. Morales, mayor de edad, casado, y vecino de Naranjito
(Nombre) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 994 - 2203 Ext. _____
Fax () -

Certifico que:

- (solamente todas las areas interiores del Edificio T082506700) en la Carretera PR-128
1. La estructura localizada en Km. 40.9 Lote 24 Zeno Gandia Industrial Park en, la cual será objeto de una Arecibo, PR demolición se encuentra libre de asbesto.
 2. La información antes indicada es cierta y correcta.
 3. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
 4. Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico, (Municipio) hoy día 24 de marzo de 2024

ASB-1223-0600-SI

Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





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APPENDIX IV

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Asbestos free for the **Building T082506700 (All Interiors areas only)** located at Road PR-128 Km. 40.9 Lot #24 Zeno Gandia Industrial Park in Arecibo, PR of March 24, 2024.



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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



SAMPLING CONDUCTED AT:

BUILDING T082506700

(PW-8144) & (DI-218811)

NORTH REGION

Zeno Gandia Industrial Park

***Located at Road PR-128 Km. 40.9 Lot #24 Zeno Gandia Industrial Park
in Arecibo, PR***



GES Project # -2023-205

MARCH 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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GLOBAL ENVIRONMENTAL SERVICES LLC

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

March 30, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T082506700 (PW-8144) & (DI-218811) North Region- located at Road PR-128 Km. 40.9 Lot #24 Zeno Gandia Industrial Park in Arecibo, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project **(Building areas only)**.

The Lead Paint Standard is in Addendum I of the Report. Project Photos in Addendum III of the report.

The Inspection performance with Thermo Fisher Scientific XRF Niton’s Model Xlp 300A Serial Number 101094 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint inspection was conducted on March 23, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-24823-299 with enough experience.

The project consisted of evaluation in all components in Building located in Arecibo, PR. During the evaluation **we found positive components with Lead Based Paint** in said project.

TABLE 1.0 - SUMMARY OF COMPONENTS WITH LEAD BASED PAINT				
FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	LN./SQ. FT. APPROX
Room 1	All Yellow Floor Lines (YELLOW COLOR ONLY)	Floor	Concrete	3,670 ln. ft. approx. & 340 sq. ft. approx.



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Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.

TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :

LEFT SIDE	B	RIGHT SIDE
A		C
	D	
ENTRANCE AREA OR DOOR AREA		

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
Lead Based Paint Inspector LBPI-24823-299



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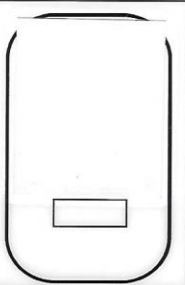
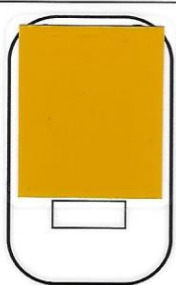

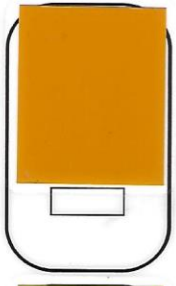
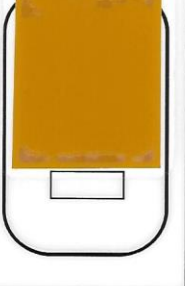

ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com	Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com	Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLp 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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ADDENDUM III

SITE AREA & FUNCTIONAL SPACES



GLOBAL ENVIRONMENTAL SERVICES LLC

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

SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4586870, -66.7430478



GLOBAL ENVIRONMENTAL SERVICES LLC

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

SITE AREA

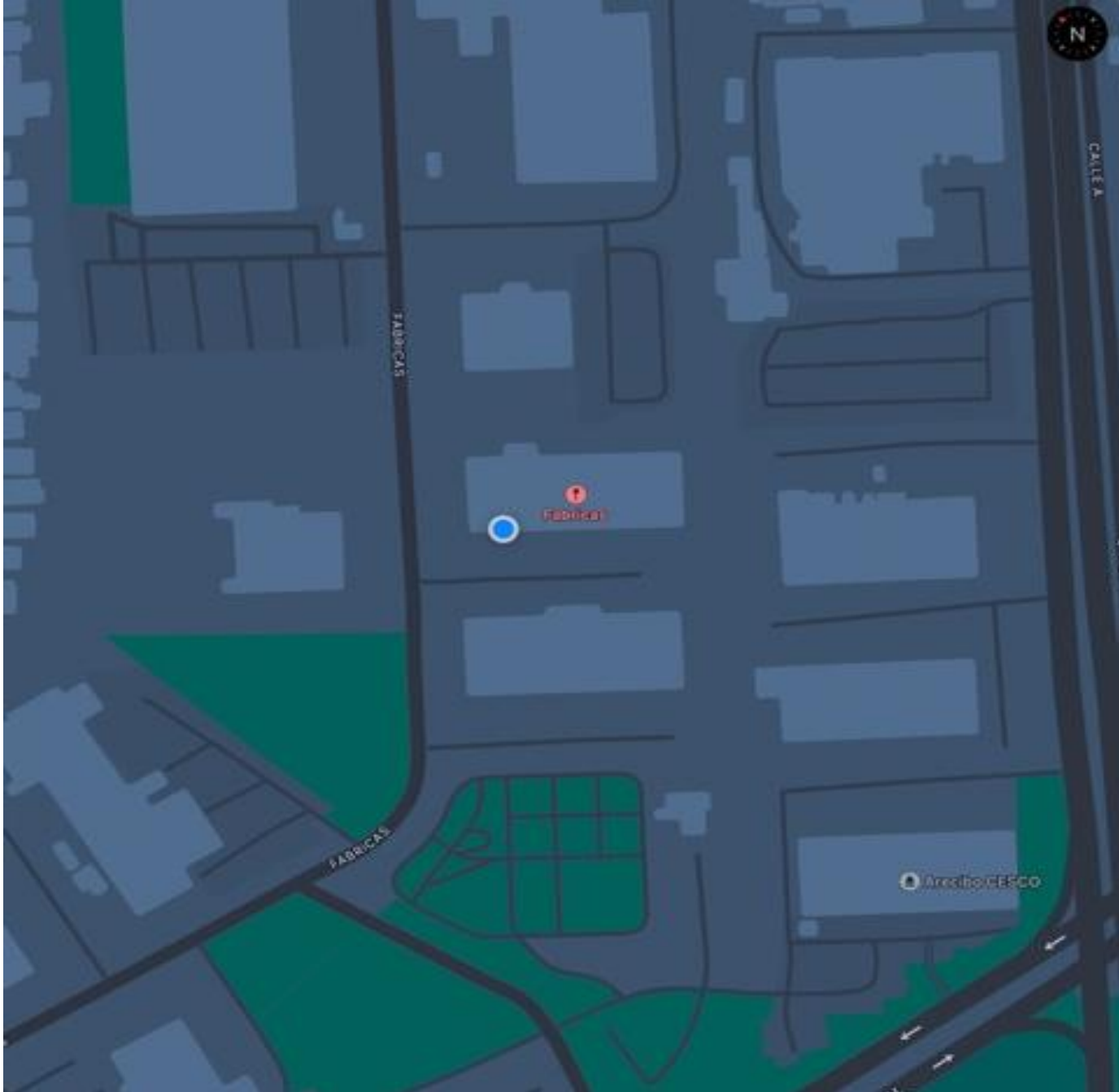




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SITE AREA

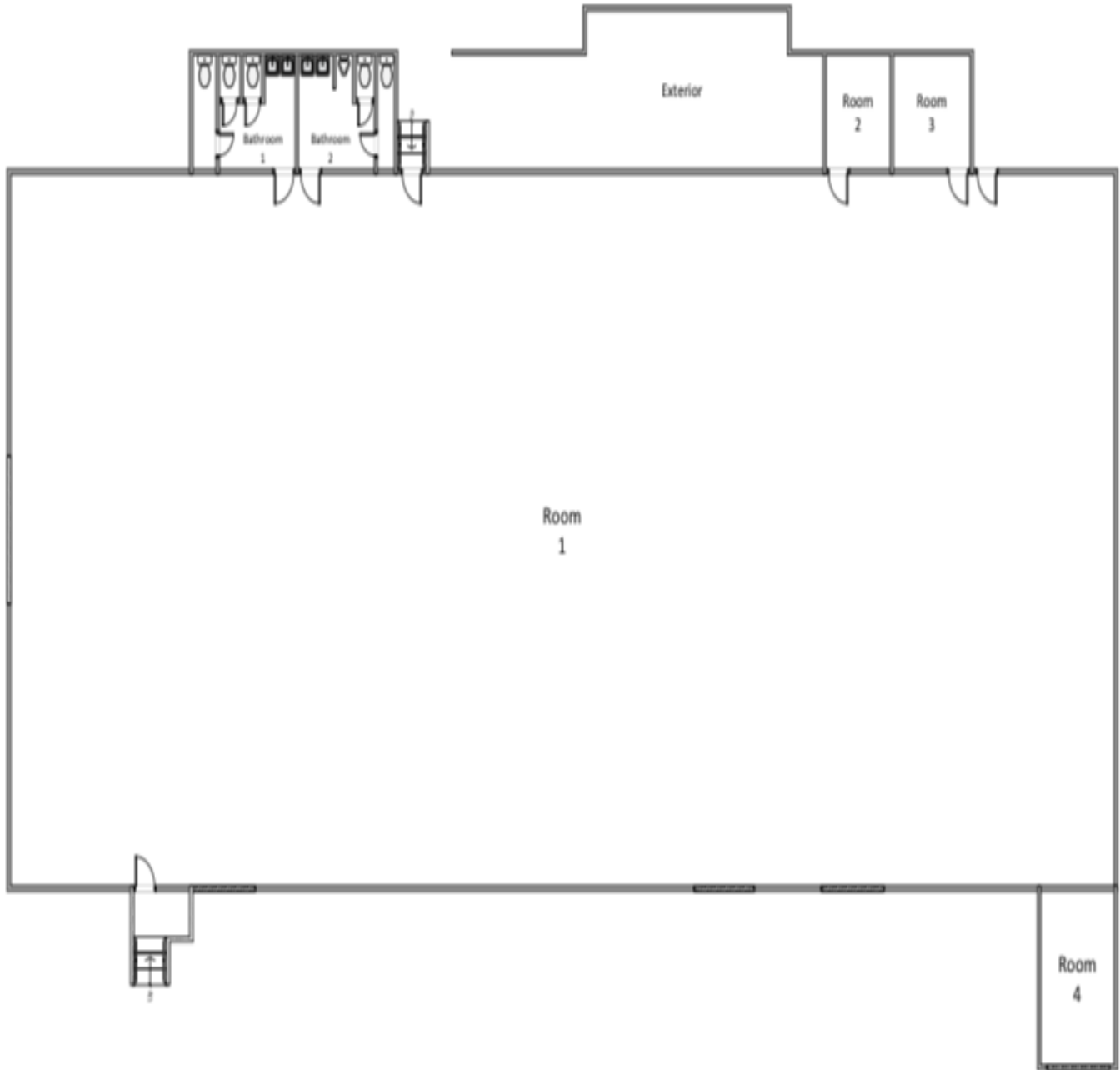




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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ADDENDUM IV

*CERTIFICATIONS GRANTED BY THE DEPARTMENT OF
NATURAL AND ENVIRONMENTAL RESOURCES OF
PUERTO RICO*



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





GLOBAL ENVIRONMENTAL SERVICES LLC

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DNER Permits / EPA Permits & Certifications

MR. ELIS J. MORALES- LEAD BASED PAINT INSPECTOR CERTIFICATION

CERTIFICACIÓN PLOMO PUERTO RICO



Esta tarjeta autoriza a:
Elis J. Morales Rivera
Para realizar actividades relacionadas a
Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**
Fecha de Expiración: Septiembre 17, 2024

Certificación #:
LBPI-24823-299



Firma Autorizada
Departamento de Recursos Naturales y
Ambientales

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Elis Morales

Has successfully completed

**Safety Training for
~ Sealed Source XRF - Radiation Safety~**

8/10/2021
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific

Supervisor Signature



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ADDENDUM V

LBP TESTING COMBINATIONS



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

GES 2023- 205	XRF Serial Number: 101094	Project: Building T082506700 PW-8144 DI-218811 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: March 23, 2024	Page 21/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. Ft./Ln. Ft.
1	Calibrate				1.0		
2	Calibrate				1.0		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Fence	A	Metal	0.00	Neg.	
9	Exterior	Fence	B	Metal	0.00	Neg.	
10	Exterior	Fence	C	Metal	0.00	Neg.	
11	Exterior	Fence	D	Metal	0.00	Neg.	
12	Exterior	Gate	A	Metal	0.00	Neg.	
13	Exterior Stair	Floor	Floor	Concrete	0.00	Neg.	
14	Exterior Stair	Handrail	A	Metal	0.02	Neg.	
15	Exterior Stair	Handrail	C	Metal	0.02	Neg.	
16	Entrance Stair	Floor	Floor	Concrete	0.01	Neg.	
17	Entrance Stair	Handrail	A	Metal	0.02	Neg.	
18	Entrance Stair	Handrail	C	Metal	0.02	Neg.	
19	Room 1	Metal Gate	D	Metal	0.02	Neg.	
20	Room 1	Door	D	Metal	0.02	Neg.	
21	Room 1	Door Frame	D	Metal	0.02	Neg.	
22	Room 1	Wall	A	Concrete	0.01	Neg.	
23	Room 1	Wall	B	Concrete	0.01	Neg.	
24	Room 1	Wall	C	Concrete	0.02	Neg.	
25	Room 1	Wall	D	Concrete	0.02	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T082506700 PW-8144 DI-218811 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: March 23, 2024	Page 22/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos/ Neg.	Approx. Sq. Ft. /Ln. Ft.
26	Room 1	Floor	Floor	Concrete	0.01	Neg.	
27	Room 1	Ceiling	Top	Concrete	0.01	Neg.	
28	Room 1	Column	Center Side	Concrete	0.01	Neg.	
29	Room 1	Column	Center Side	Concrete	0.01	Neg.	
30	Room 1	Column	Center	Concrete	0.01	Neg.	
31	Room 1	Column	Center	Concrete	0.01	Neg.	
32	Room 1	Column	Center	Concrete	0.01	Neg.	
33	Room 1	Column	Center	Concrete	0.01	Neg.	
34	Room 1	Column	Center Side	Concrete	0.01	Neg.	
35	Room 1	Blue Floor Line	Floor	Concrete	0.06	Neg.	
36	Room 1	Blue Floor Line	Floor	Concrete	0.04	Neg.	
37	Room 1	Green Floor Line	Floor	Concrete	0.06	Neg.	
38	Room 1	Green Floor Line	Floor	Concrete	0.04	Neg.	
39	Room 1	Red Floor Line	Floor	Concrete	0.06	Neg.	
40	Room 1	Red Floor Line	Floor	Concrete	0.06	Neg.	
41	Room 1	Column	Center	Concrete	0.01	Neg.	
42	Room 1	Column	Center	Concrete	0.01	Neg.	
43	Room 1	Floor Lines	Floor	Concrete	1.3	Pos.	3,670 Ln. FT. Approx.
44	Room 1	Floor Lines	Floor	Concrete	1.8	Pos.	
45	Room 1	Floor Lines	Floor	Concrete	1.5	Pos.	
46	Room 1	Door	B	Metal	0.02	Neg.	
47	Room 1	Door Frame	B	Metal	0.02	Neg.	
48	Room 1	Door	B	Metal	0.02	Neg.	
49	Room 1	Door Frame	B	Metal	0.02	Neg.	
50	Room 1	Rolling Door	D	Metal	0.01	Neg.	
51	Room 1	Rolling Door	D	Metal	0.01	Neg.	
52	Room 1	Rolling Door	D	Metal	0.01	Neg.	
53	Room 1	Cargo Pad	D	Metal	0.01	Neg.	
54	Room 1	Cargo Pad	D	Metal	0.01	Neg.	
55	Room 1	Cargo Pad	D	Metal	0.01	Neg.	
56	Room 1	Sink	B	Ceramic	0.01	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T082506700 PW-8144 DI-218811 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: March 23, 2024	Page 23/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos/ Neg.	Approx. Sq. Ft. /Ln. Ft.
57	Bathroom 1	Door	D	Metal	0.01	Neg.	
58	Bathroom 1	Door Frame	D	Metal	0.01	Neg.	
59	Bathroom 1	Wall	A	Concrete	0.01	Neg.	
60	Bathroom 1	Wall	B	Concrete	0.01	Neg.	
61	Bathroom 1	Wall	C	Concrete	0.02	Neg.	
62	Bathroom 1	Wall	D	Concrete	0.02	Neg.	
63	Bathroom 1	Wall Tile	A	Ceramic	0.02	Neg.	
64	Bathroom 1	Wall Tile	B	Ceramic	0.02	Neg.	
65	Bathroom 1	Wall Tile	C	Ceramic	0.02	Neg.	
66	Bathroom 1	Wall Tile	D	Ceramic	0.02	Neg.	
67	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
68	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	
69	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
70	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
71	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
72	Bathroom 1	Sink	B	Ceramic	0.01	Neg.	
73	Bathroom 1	Sink	B	Ceramic	0.01	Neg.	
74	Bathroom 2	Door	D	Metal	0.01	Neg.	
75	Bathroom 2	Door Frame	D	Metal	0.01	Neg.	
76	Bathroom 2	Wall	A	Concrete	0.01	Neg.	
77	Bathroom 2	Wall	B	Concrete	0.01	Neg.	
78	Bathroom 2	Wall	C	Concrete	0.02	Neg.	
79	Bathroom 2	Wall	D	Concrete	0.02	Neg.	
80	Bathroom 2	Wall Tile	A	Ceramic	0.02	Neg.	
81	Bathroom 2	Wall Tile	B	Ceramic	0.02	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T082506700 PW-8144 DI-218811 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: March 23, 2024	Page 24/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos/ Neg.	Approx. Sq. Ft. /Ln. Ft.
82	Bathroom 2	Wall Tile	C	Ceramic	0.02	Neg.	
83	Bathroom 2	Wall Tile	D	Ceramic	0.02	Neg.	
84	Bathroom 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
85	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.	
86	Bathroom 2	Sink	B	Ceramic	0.01	Neg.	
87	Bathroom 2	Sink	B	Ceramic	0.01	Neg.	
88	Bathroom 2	Urinal	B	Ceramic	0.01	Neg.	
89	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
90	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
91	Room 2	Door	D	Metal	0.02	Neg.	
92	Room 2	Door Frame	D	Metal	0.02	Neg.	
93	Room 2	Wall	A	Concrete	0.01	Neg.	
94	Room 2	Wall	B	Concrete	0.01	Neg.	
95	Room 2	Wall	C	Concrete	0.02	Neg.	
96	Room 2	Wall	D	Concrete	0.02	Neg.	
97	Room 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
98	Room 2	Baseboard	A	Ceramic	0.02	Neg.	
99	Room 2	Baseboard	B	Ceramic	0.02	Neg.	
100	Room 2	Baseboard	C	Ceramic	0.02	Neg.	
101	Room 2	Baseboard	D	Ceramic	0.02	Neg.	
102	Room 2	Ceiling	Top	Concrete	0.01	Neg.	
103	Room 3	Door	D	Metal	0.02	Neg.	
104	Room 3	Door Frame	D	Metal	0.02	Neg.	
105	Room 3	Wall	A	Concrete	0.01	Neg.	
106	Room 3	Wall	B	Concrete	0.01	Neg.	



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DNER Permits / EPA Permits & Certifications

GES 2023- 205	XRF Serial Number: 101094	Project: Building T082506700 PW-8144 DI-218811 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morales	Date: March 23, 2024	Page 25/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos/ Neg.	Approx. Sq. Ft. /Ln. Ft.
107	Room 3	Wall	C	Concrete	0.02	Neg.	
108	Room 3	Wall	D	Concrete	0.02	Neg.	
109	Room 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
110	Room 3	Baseboard	A	Ceramic	0.02	Neg.	
111	Room 3	Baseboard	B	Ceramic	0.02	Neg.	
112	Room 3	Baseboard	C	Ceramic	0.02	Neg.	
113	Room 3	Baseboard	D	Ceramic	0.02	Neg.	
114	Room 3	Ceiling	Top	Concrete	0.01	Neg.	
115	Room 4	Rolling Door	D	Metal	0.02	Neg.	
116	Room 4	Wall	A	Concrete	0.02	Neg.	
117	Room 4	Wall	B	Concrete	0.01	Neg.	
118	Room 4	Wall	C	Concrete	0.02	Neg.	
119	Room 4	Wall	D	Concrete	0.02	Neg.	
120	Room 4	Floor	Floor	Concrete	0.02	Neg.	
121	Room 4	Ceiling	Top	Metal	0.01	Neg.	
122	Calibrate				1.0		
123	Calibrate				0.9		
124	Calibrate				1.0		



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ADDENDUM VI

*TABLE SUMMARY OF COMPONENTS WITH
LEAD BASED PAINT*



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DNER Permits / EPA Permits & Certifications*

TABLE SUMMARY OF COMPONENTS WITH LEAD BASED PAINT

FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	LN./ SQ. FT. APPROX.
Room 1	All Yellow Floor Lines (YELLOW COLOR ONLY)	Floor	Concrete	3,670 ln. ft. approx. & 340 sq. ft. approx.



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ADDENDUM VII

*PHOTOGRAPHS OF POSITIVE COMPONENTS WITH
LEAD BASED PAINT*



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Room 1- Concrete All Yellow Floor Lines with Lead Based Paint





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Room 1- Concrete All Yellow Floor Lines with Lead Based Paint





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ADDENDUM VIII

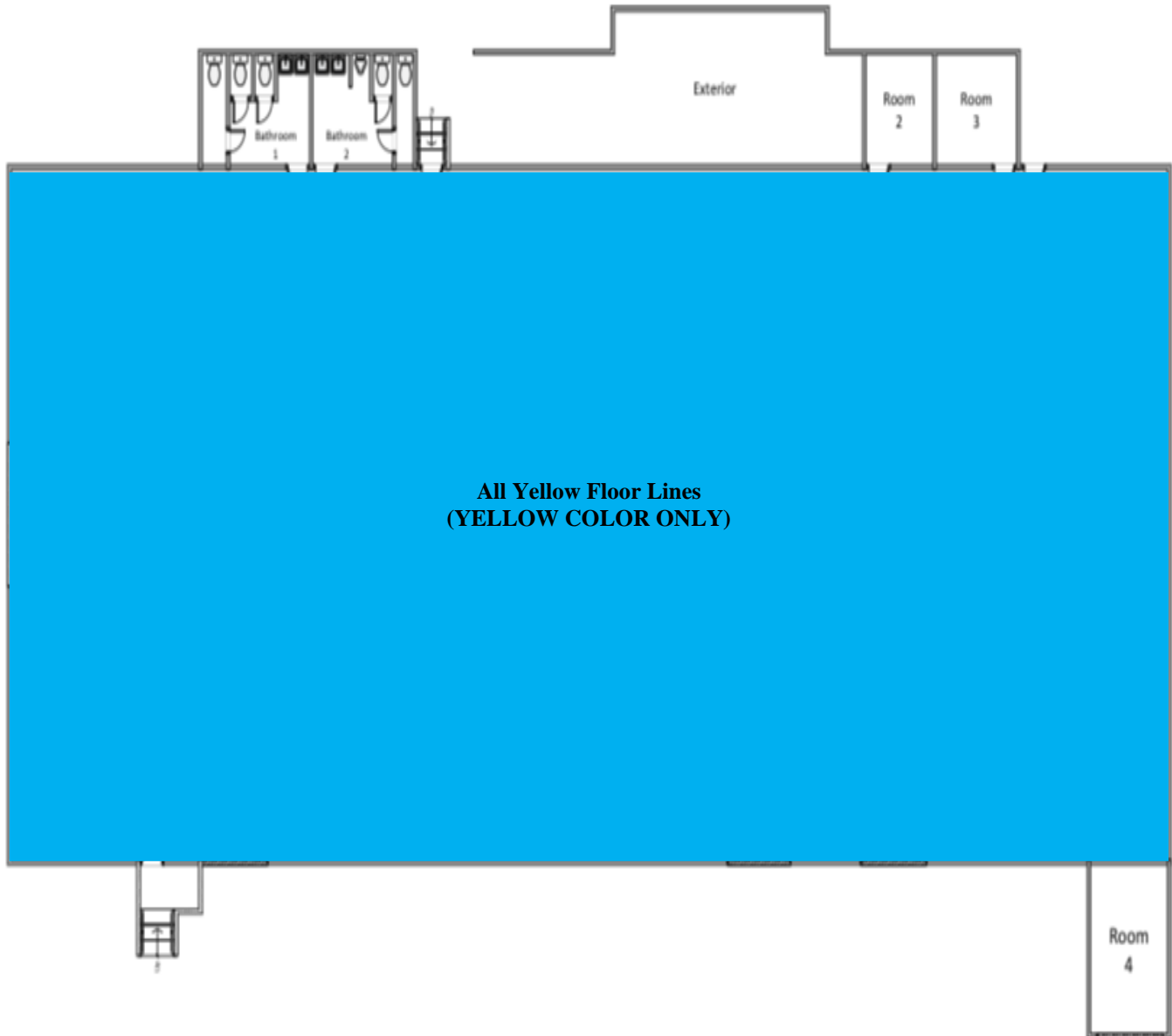
*WHERE THE POSITIVE COMPONENTS AREA FOUND
WITH LEAD BASED PAINT*



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LBP POSITIVE RESULTS LOCATIONS



**All Yellow Floor Lines
(YELLOW COLOR ONLY)**

NOT TO SCALE

Page 32/33



= CONCRETE YELLOW FLOOR LINES (ALL YELLOW COLOR ONLY) WITH LBP



GLOBAL ENVIRONMENTAL SERVICES LLC

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ADDENDUM VI

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of owner to hire a Company Certified in the Department of Natural and Environmental Resources (DNER) of Puerto Rico to mitigate and dispose positive areas with Lead Based Paint if is going to touch or demolish the Building areas.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



SAMPLING CONDUCTED AT:

**BUILDING T093606800
(PW-8144) & (DI-218815)**

NORTH REGION

*Located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia Industrial Park in
Arecibo, PR*



GES Project # -2023-205

MARCH 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

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

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GLOBAL ENVIRONMENTAL SERVICES LLC

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

March 31, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

**Affair: Asbestos Containing Materials Inspection in Building T093606800 (PW-8144)
& (DI-218815) North Region- located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia
Industrial Park in Arecibo, PR**

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection at reference project **(Building areas only)**.

Asbestos Containing Building Material (ACBM) is defined as any material which contains more than 1% percent Asbestos.

The ACM Inspection was conducted on March 23, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-0623-0270-SI with enough experience.

During the inspection, inspector **NO suspected Asbestos Containing Materials**. The asbestos inspection work will be performed by Asbestos Hazards Emergency Response Act (AHERA) accredited asbestos inspectors under the PR Environmental Quality Board 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.

Global Environmental Services LLC **certifies (all interior areas) asbestos free in reference project.**



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ROOFTOP AREAS -(BUILT TOP OR ROOF TREATMENT) TO THE DATE- NEW CONDITIONS



NOTE: THE ASBESTOS INSPECTION OF THE EXTERIOR ROOF WAS NOT CARRIED OUT SINCE THE EXISTING MEMBRANE IS UNDER WARRANTY ACCORDING TO THE CLIENT'S INSTRUCTIONS.

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

- a. The project is divided various functional spaces.
- b. Physical and hazard assessment of suspected asbestos containing materials was performed.
- c. Samples were collected according to homogenous areas.(Does not apply).
- d. Samples sent to NVLAP Accredited Laboratory. (Does not apply).
- e. Samples were analyzed by PLM method, in accordance to EPA recommended procedures. (Does not apply).

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. Angel M. Rivera
Asbestos Inspector-ASB-0623-0270-SI



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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APPENDIX I

**CERTIFICATIONS GRANTED BY THE
DEPARTMENT OF NATURAL AND
ENVIRONMENTAL RESOURCES
OF PUERTO RICO**



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ASBESTOS INSPECTOR CERTIFICATION

	TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO Esta tarjeta autoriza a: Ángel M. Rivera Guido Inspector A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.  Firma Autorizada - Departamento Recursos Naturales y Ambientales
ASB-0623-0270-SI Número de Registro	
16-abr-2024 Fecha de vencimiento	



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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APPENDIX II

SITE AREAS & LAYOUT



GLOBAL ENVIRONMENTAL SERVICES LLC

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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4582854, -66.7434464



GLOBAL ENVIRONMENTAL SERVICES LLC

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DNER Permits / EPA Permits & Certifications

SITE AREA

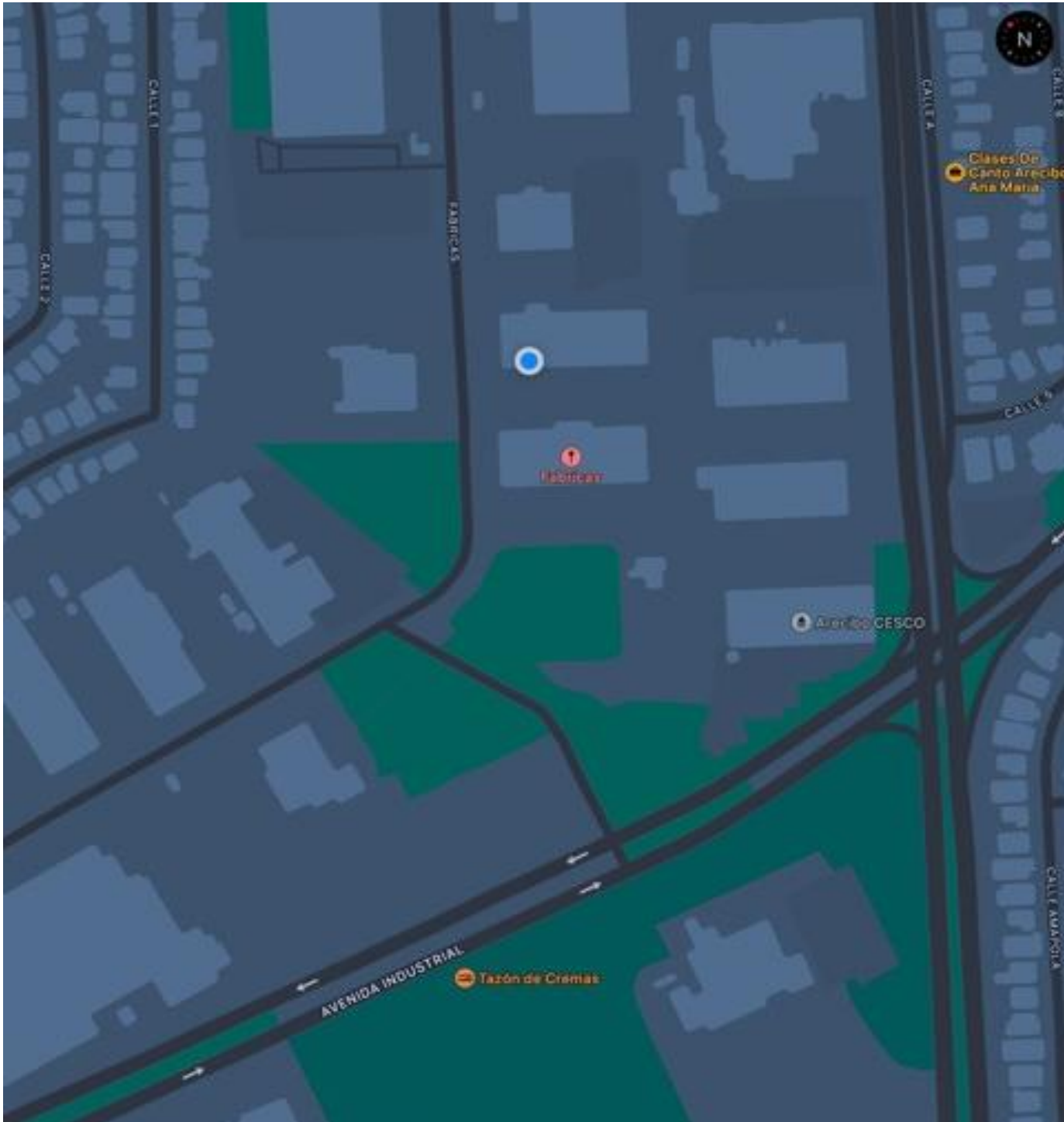




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SITE AREA

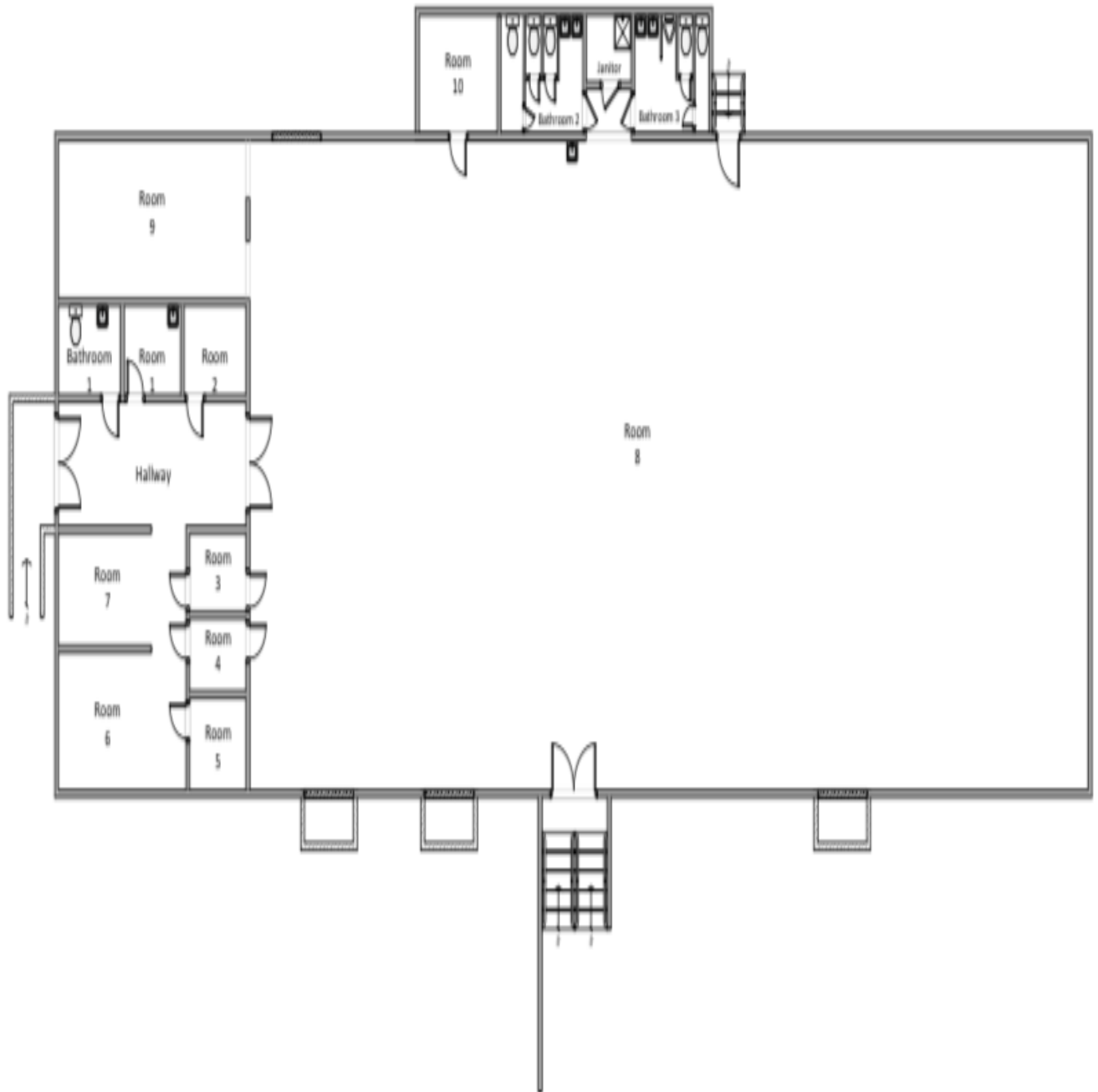




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



GLOBAL ENVIRONMENTAL SERVICES LLC

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APPENDIX III

ASBESTOS NEGATIVE CERTIFICATION



GLOBAL ENVIRONMENTAL SERVICES LLC

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GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Angel M. Rivera, mayor de edad, casado, y vecino de Guayama
(Nombre) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 994 - 2203 Ext. _____
Fax () -

Certifico que: (solamente todas las areas interiores del Edificio T093606800) en la Carretera PR-128 Km. 40.9 Lote 25 Gandia Industrial Park en Arcibo, PR

- La estructura localizada en _____, la cual será objeto de una demolición se encuentra libre de asbesto.
- La información antes indicada es cierta y correcta.
- Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
- Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico, hoy día 24 de marzo de 2024 (Municipio)

Angel M. Rivera

ASB-0623-0270-SI
Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





GLOBAL ENVIRONMENTAL SERVICES LLC

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

APPENDIX IV

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Asbestos free for the **Building T093606800 (All Interiors areas only)** located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia Industrial Park in Arecibo, PR of March 24, 2024.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



SAMPLING CONDUCTED AT:

BUILDING T093606800

(PW-8144) & (DI-218815)

NORTH REGION

*Located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia Industrial Park
in Arecibo, PR*



GES Project # -2023-205

MARCH 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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March 31, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T093606800 (PW-8144) & (DI-218815) North Region- located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia Industrial Park in Arecibo, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (**Building areas only**).

The Lead Paint Standard is in Addendum I of the Report. Layout Project and Functional Spaces in Addendum III of the report.

The Inspection performance with Thermo Fisher Scientific XRF Niton Model Xlp 300A Serial Number #114943 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities.

The Lead Based Paint Inspection was conducted on March 23, 2024 by Mr. Angel M. Rivera, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-33923-409 with enough experience.

The project consisted of evaluation in all Building components in located in Arecibo, PR. During the evaluation **all components were negative** with Lead Based Paint in said project.

Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.



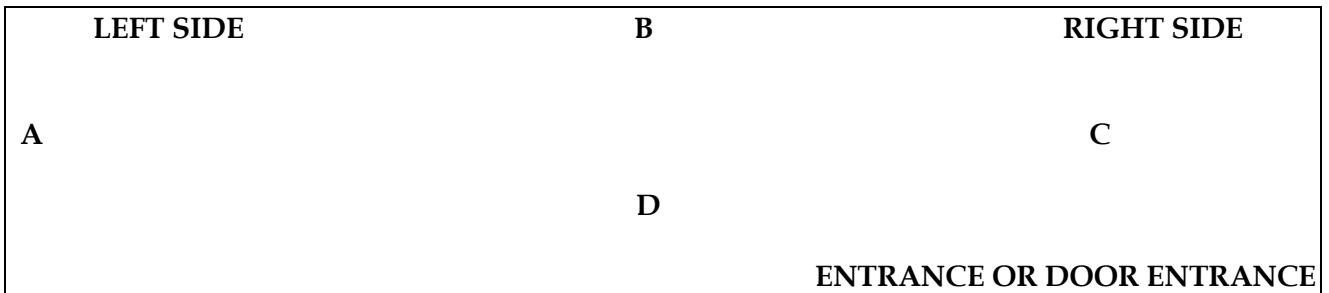
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TABLE- LEAD REGULATORY LEVELS	
	<i>EPA & DNER Levels</i>
LEAD BASED PAINT	1.0mg/cm² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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. Angel M. Rivera
Lead Based Paint Inspector LBPI-33923-409



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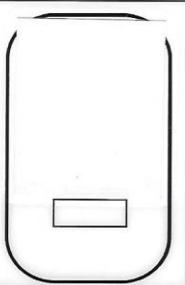
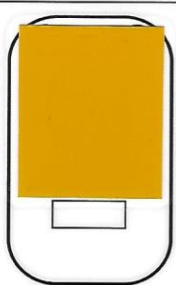

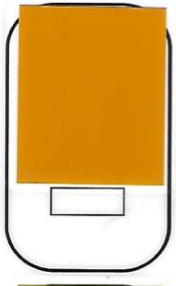
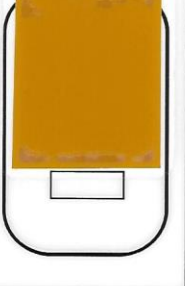

ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>

<p>Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com</p>	<p>Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com</p>	<p>Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com</p>
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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLP 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLP 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

SITE AREA & FUNCTIONAL SPACES



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SITE AREA



COORDINATES TO GET TO THE PROJECT:

18.4582854, -66.7434464



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SITE AREA

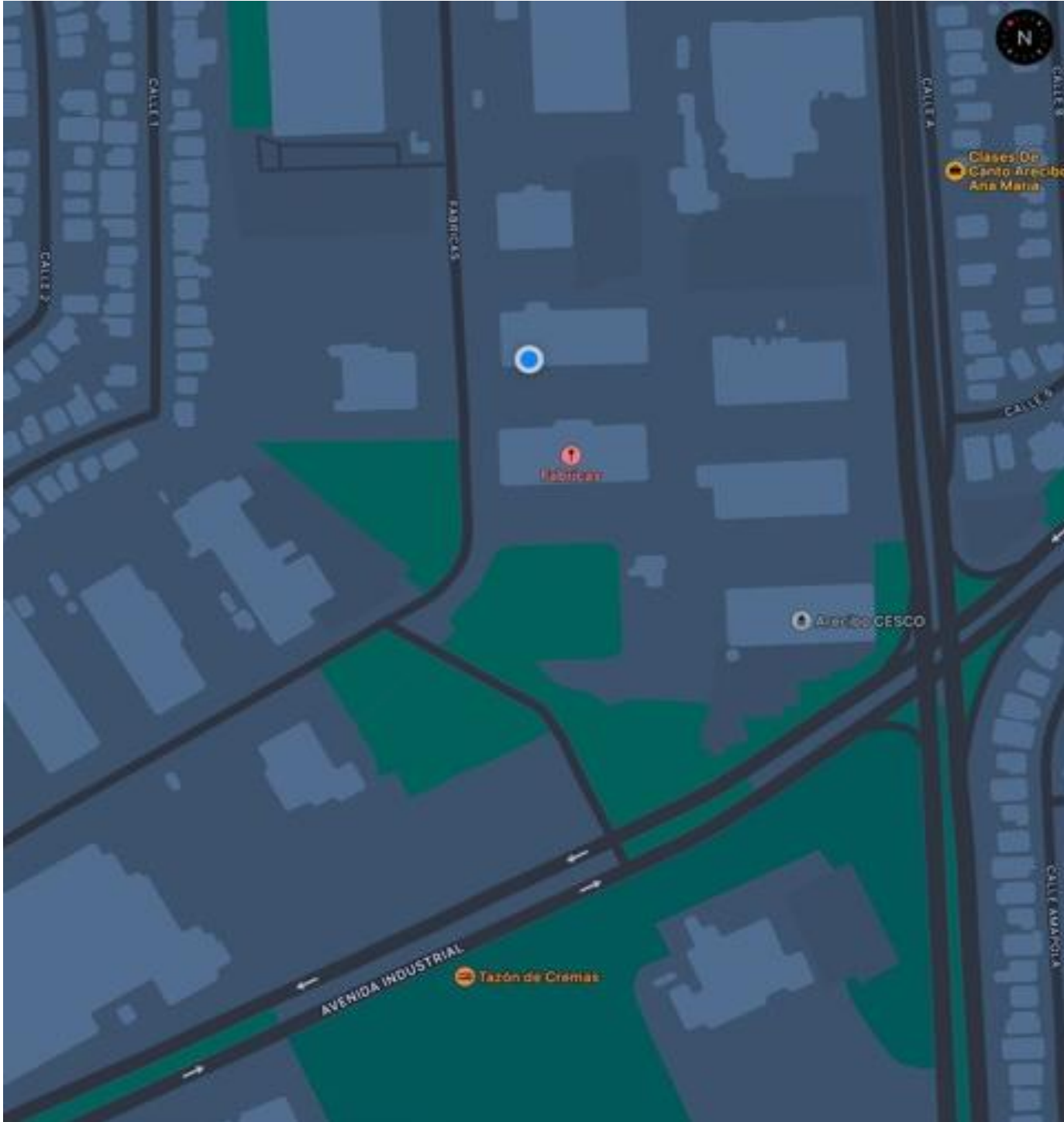




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SITE AREA

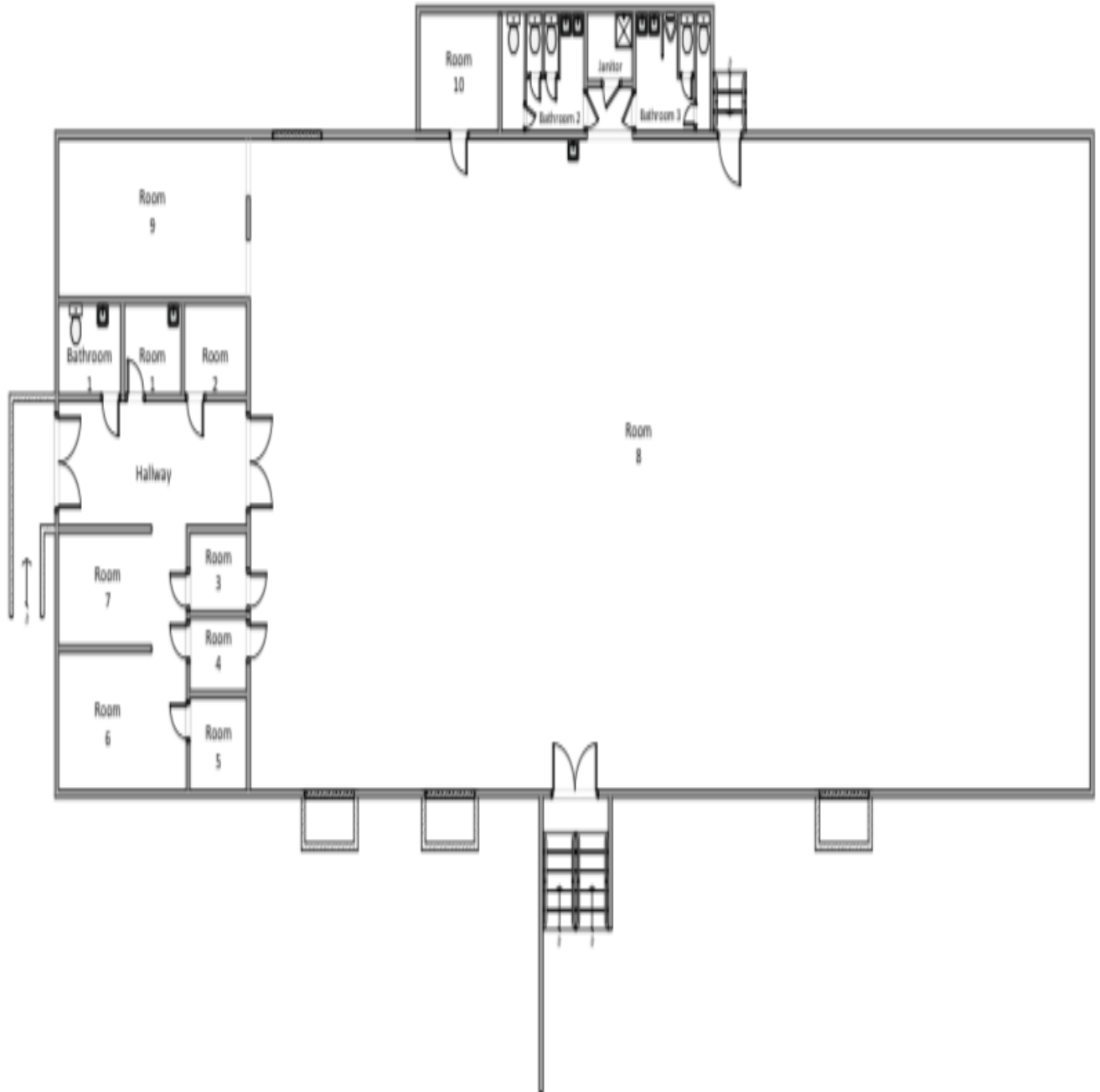




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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ADDENDUM IV

*CERTIFICATIONS GRANTED BY THE DEPARTMENT OF
NATURAL AND ENVIRONMENTAL RESOURCES OF
PUERTO RICO*



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





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MR. ANGEL M. RIVERA - LEAD BASED PAINT INSPECTOR CERTIFICATION

CERTIFICACIÓN PLOMO PUERTO RICO



Esta tarjeta autoriza a:
Ángel M. Rivera Guido
Para realizar actividades relacionadas a
Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**
Fecha de Expiración: Diciembre 1, 2024



Firma Autorizada
Departamento de Recursos Naturales y
Ambientales

Certificación #:
LBPI-33923-409

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Angel Rivera

Has successfully completed

**Safety Training for
~ Sealed Source XRF - Radiation Safety ~**

Supervisor Signature _____

5/13/20
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific



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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2023- 205	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024	Page 20/32	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./Ln. Ft.
1	Calibrate				0.9		
2	Calibrate				1.0		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Handrail	A	Metal	0.02	Neg.	
9	Exterior	Handrail	B	Metal	0.02	Neg.	
10	Exterior	Handrail	D	Metal	0.02	Neg.	
11	Exterior	Window Grill	A	Metal	0.02	Neg.	
12	Exterior	Window Grill	A	Metal	0.02	Neg.	
13	Exterior	Window Grill	A	Metal	0.02	Neg.	
14	Exterior	Window Grill	A	Metal	0.02	Neg.	
15	Exterior	Window Grill	A	Metal	0.02	Neg.	
16	Exterior	Window Grill	B	Metal	0.02	Neg.	
17	Exterior	Window Grill	B	Metal	0.02	Neg.	
18	Exterior	Window Grill	B	Metal	0.02	Neg.	
19	Exterior	Window Grill	D	Metal	0.02	Neg.	
20	Exterior	Window Grill	D	Metal	0.02	Neg.	
21	Exterior	Window Grill	D	Metal	0.02	Neg.	
22	Exterior	Window Grill	D	Metal	0.02	Neg.	
23	Exterior	Window Grill	D	Metal	0.02	Neg.	
24	Exterior Stair	Floor Tile	Floor Side D	Ceramic	0.02	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality DNER Permits / EPA Permits & Certifications					Page 21/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024		
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
25	Exterior Stair	Handrail	A Side D	Metal	0.02	Neg.	
26	Exterior Stair	Handrail	C Side D	Metal	0.02	Neg.	
27	Hallway	Metal Gate	D	Metal	0.02	Neg.	
28	Hallway	Door	D	Metal	0.02	Neg.	
29	Hallway	Door Frame	D	Metal	0.02	Neg.	
30	Hallway	Wall	A	GB	0.01	Neg.	
31	Hallway	Wall	B	GB	0.01	Neg.	
32	Hallway	Wall	C	GB	0.01	Neg.	
33	Hallway	Wall	D	Concrete	0.02	Neg.	
34	Hallway	Floor Tile	Floor	Ceramic	0.02	Neg.	
35	Hallway	Baseboard	A	Ceramic	0.02	Neg.	
36	Hallway	Baseboard	B	Ceramic	0.02	Neg.	
37	Hallway	Baseboard	C	Ceramic	0.02	Neg.	
38	Hallway	Baseboard	D	Ceramic	0.02	Neg.	
39	Hallway	Ceiling	Top	Concrete	0.01	Neg.	
40	Hallway	Door	B	Metal	0.02	Neg.	
41	Hallway	Door Frame	B	Metal	0.02	Neg.	
42	Bathroom 1	Door	D	Metal	0.01	Neg.	
43	Bathroom 1	Door Frame	D	Metal	0.01	Neg.	
44	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
45	Bathroom 1	Baseboard	A	Ceramic	0.02	Neg.	
46	Bathroom 1	Baseboard	B	Ceramic	0.02	Neg.	
47	Bathroom 1	Baseboard	C	Ceramic	0.02	Neg.	
48	Bathroom 1	Baseboard	D	Ceramic	0.02	Neg.	



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	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
49	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	
50	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
51	Bathroom 1	Sink	B	Ceramic	0.01	Neg.	
52	Room 1	Door	D	Metal	0.02	Neg.	
53	Room 1	Door Frame	D	Metal	0.02	Neg.	
54	Room 1	Wall	A	Concrete	0.01	Neg.	
55	Room 1	Wall	B	GB	0.01	Neg.	
56	Room 1	Wall	C	GB	0.02	Neg.	
57	Room 1	Wall	D	GB	0.02	Neg.	
58	Room 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
59	Room 1	Baseboard	A	Ceramic	0.02	Neg.	
60	Room 1	Baseboard	B	Ceramic	0.02	Neg.	
61	Room 1	Baseboard	C	Ceramic	0.02	Neg.	
62	Room 1	Baseboard	D	Ceramic	0.02	Neg.	
63	Room 1	Ceiling	Top	Concrete	0.01	Neg.	
64	Room 1	Sink	B	Ceramic	0.01	Neg.	
65	Room 2	Door	D	Metal	0.02	Neg.	
66	Room 2	Door Frame	D	Metal	0.02	Neg.	
67	Room 2	Wall	A	GB	0.01	Neg.	
68	Room 2	Wall	B	GB	0.01	Neg.	
69	Room 2	Wall	C	GB	0.02	Neg.	
70	Room 2	Wall	D	GB	0.02	Neg.	
71	Room 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
72	Room 2	Baseboard	A	Ceramic	0.02	Neg.	
73	Room 2	Baseboard	B	Ceramic	0.02	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality DNER Permits / EPA Permits & Certifications					Page 23/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
74	Room 2	Baseboard	C	Ceramic	0.02	Neg.	
75	Room 2	Baseboard	D	Ceramic	0.02	Neg.	
76	Room 2	Ceiling	Top	Concrete	0.01	Neg.	
77	Room 3	Door	D	Metal	0.02	Neg.	
78	Room 3	Door Frame	D	Metal	0.02	Neg.	
79	Room 3	Wall	A	GB	0.01	Neg.	
80	Room 3	Wall	B	GB	0.01	Neg.	
81	Room 3	Wall	C	GB	0.01	Neg.	
82	Room 3	Wall	D	GB	0.01	Neg.	
83	Room 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
84	Room 3	Baseboard	A	Ceramic	0.02	Neg.	
85	Room 3	Baseboard	B	Ceramic	0.02	Neg.	
86	Room 3	Baseboard	C	Ceramic	0.02	Neg.	
87	Room 3	Baseboard	D	Ceramic	0.02	Neg.	
88	Room 3	Ceiling	Top	Concrete	0.01	Neg.	
89	Room 3	Door	B	Metal	0.02	Neg.	
90	Room 3	Door Frame	B	Metal	0.02	Neg.	
91	Room 4	Door	D	Metal	0.02	Neg.	
92	Room 4	Door Frame	D	Metal	0.02	Neg.	
93	Room 4	Wall	A	GB	0.01	Neg.	
94	Room 4	Wall	B	GB	0.01	Neg.	
95	Room 4	Wall	C	GB	0.02	Neg.	
96	Room 4	Wall	D	GB	0.02	Neg.	
97	Room 4	Floor Tile	Floor	Ceramic	0.02	Neg.	
98	Room 4	Baseboard	A	Ceramic	0.02	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality DNER Permits / EPA Permits & Certifications					Page 24/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024		
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
99	Room 4	Baseboard	B	Ceramic	0.02	Neg.	
100	Room 4	Baseboard	C	Ceramic	0.02	Neg.	
101	Room 4	Baseboard	D	Ceramic	0.02	Neg.	
102	Room 4	Ceiling	Top	Concrete	0.01	Neg.	
103	Room 4	Door	B	Metal	0.02	Neg.	
104	Room 4	Door Frame	B	Metal	0.02	Neg.	
105	Room 5	Door	D	Metal	0.02	Neg.	
106	Room 5	Door Frame	D	Metal	0.02	Neg.	
107	Room 5	Wall	A	GB	0.01	Neg.	
108	Room 5	Wall	B	GB	0.01	Neg.	
109	Room 5	Wall	D	GB	0.01	Neg.	
110	Room 5	Wall	C	Concrete	0.02	Neg.	
111	Room 5	Floor Tile	Floor	Ceramic	0.02	Neg.	
112	Room 5	Baseboard	A	Ceramic	0.02	Neg.	
113	Room 5	Baseboard	B	Ceramic	0.02	Neg.	
114	Room 5	Baseboard	C	Ceramic	0.02	Neg.	
115	Room 5	Baseboard	D	Ceramic	0.02	Neg.	
116	Room 5	Ceiling	Top	Concrete	0.01	Neg.	
117	Room 6	Wall	A	Concrete	0.02	Neg.	
118	Room 6	Wall	B	Concrete	0.01	Neg.	
119	Room 6	Wall	C	GB	0.01	Neg.	
120	Room 6	Floor Tile	Floor	Ceramic	0.02	Neg.	
121	Room 6	Baseboard	A	Ceramic	0.02	Neg.	
122	Room 6	Baseboard	B	Ceramic	0.02	Neg.	
123	Room 6	Baseboard	C	Ceramic	0.02	Neg.	



GLOBAL ENVIRONMENTAL SERVICES LLC

GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality		DNER Permits / EPA Permits & Certifications			Page 25/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024		
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
124	Room 6	Baseboard	D	Ceramic	0.02	Neg.	
125	Room 6	Ceiling	Top	Concrete	0.01	Neg.	
126	Room 7	Wall	A	GB	0.01	Neg.	
127	Room 7	Wall	C	GB	0.01	Neg.	
128	Room 7	Wall	B	Concrete	0.01	Neg.	
129	Room 7	Floor Tile	Floor	Ceramic	0.02	Neg.	
130	Room 7	Baseboard	A	Ceramic	0.02	Neg.	
131	Room 7	Baseboard	B	Ceramic	0.02	Neg.	
132	Room 7	Baseboard	C	Ceramic	0.02	Neg.	
133	Room 7	Baseboard	D	Ceramic	0.02	Neg.	
134	Room 7	Ceiling	Top	Concrete	0.01	Neg.	
135	Room 8	Door	D	Metal	0.02	Neg.	
136	Room 8	Door Frame	D	Metal	0.02	Neg.	
137	Room 8	Wall	A	Concrete	0.02	Neg.	
138	Room 8	Wall	B	Concrete	0.01	Neg.	
139	Room 8	Wall	C	Concrete	0.02	Neg.	
140	Room 8	Wall	D	Concrete	0.02	Neg.	
141	Room 8	Floor	Floor	Concrete	0.01	Neg.	
142	Room 8	Ceiling	Top	Concrete	0.01	Neg.	
143	Room 8	Sink	A	Ceramic	0.01	Neg.	
144	Room 8	Column	Center Side	Concrete	0.01	Neg.	
145	Room 8	Column	Center Side	Concrete	0.01	Neg.	
146	Room 8	Column	Center Side	Concrete	0.01	Neg.	
147	Room 8	Column	Center Side	Concrete	0.01	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality		DNER Permits / EPA Permits & Certifications		Date: March 23, 2024	Page 26/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera			
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
148	Room 8	Column	Center Side	Concrete	0.01	Neg.	
149	Room 8	Column	Center Side	Concrete	0.01	Neg.	
150	Room 8	Column	Center Side	Concrete	0.01	Neg.	
151	Room 8	Column	Center Side	Concrete	0.01	Neg.	
152	Room 8	Column	Center Side	Concrete	0.01	Neg.	
153	Room 8	Door	A	Metal	0.02	Neg.	
154	Room 8	Door Frame	A	Metal	0.02	Neg.	
155	Room 8	Door	C	Metal	0.02	Neg.	
156	Room 8	Door Frame	C	Metal	0.02	Neg.	
157	Room 8	Rolling Door	A	Metal	0.02	Neg.	
158	Room 8	Rolling Door	C	Metal	0.02	Neg.	
159	Room 8	Rolling Door	C	Metal	0.02	Neg.	
160	Room 8	Rolling Door	C	Metal	0.02	Neg.	
161	Room 9	Wall	A	Concrete	0.01	Neg.	
162	Room 9	Wall	B	Concrete	0.01	Neg.	
163	Room 9	Wall	C	Concrete	0.01	Neg.	
164	Room 9	Wall	D	Concrete	0.01	Neg.	
165	Room 9	Floor	Floor	Concrete	0.01	Neg.	
166	Room 9	Baseboard	A	Wood	0.02	Neg.	
167	Room 9	Baseboard	B	Wood	0.02	Neg.	
168	Room 9	Baseboard	C	Wood	0.02	Neg.	
169	Room 9	Baseboard	D	Wood	0.02	Neg.	
170	Room 9	Ceiling	Top	Concrete	0.01	Neg.	
171	Room 10	Door	D	Metal	0.02	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality DNER Permits / EPA Permits & Certifications					Page 27/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024		
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
172	Room 10	Door Frame	D	Metal	0.02	Neg.	
173	Room 10	Wall	A	Concrete	0.01	Neg.	
174	Room 10	Wall	B	Concrete	0.02	Neg.	
175	Room 10	Wall	C	Concrete	0.02	Neg.	
176	Room 10	Wall	D	Concrete	0.02	Neg.	
177	Room 10	Floor Tile	Floor	Ceramic	0.02	Neg.	
178	Room 10	Baseboard	A	Ceramic	0.02	Neg.	
179	Room 10	Baseboard	B	Ceramic	0.02	Neg.	
180	Room 10	Baseboard	C	Ceramic	0.02	Neg.	
181	Room 10	Baseboard	D	Ceramic	0.02	Neg.	
182	Room 10	Ceiling	Top	Concrete	0.01	Neg.	
183	Bathroom 2	Door	D	Metal	0.01	Neg.	
184	Bathroom 2	Door Frame	D	Metal	0.01	Neg.	
185	Bathroom 2	Wall Tile	A	Ceramic	0.02	Neg.	
186	Bathroom 2	Wall Tile	B	Ceramic	0.02	Neg.	
187	Bathroom 2	Wall Tile	C	Ceramic	0.02	Neg.	
188	Bathroom 2	Wall Tile	D	Ceramic	0.02	Neg.	
189	Bathroom 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
190	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.	
191	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
192	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
193	Bathroom 2	Toilet	B	Ceramic	0.01	Neg.	
194	Bathroom 2	Sink	B	Ceramic	0.01	Neg.	
195	Bathroom 2	Sink	B	Ceramic	0.01	Neg.	
196	Janitor	Door	D	Metal	0.02	Neg.	



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GES 2023- 205	Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality DNER Permits / EPA Permits & Certifications					Page 28/32	
	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
197	Janitor	Door Frame	D	Metal	0.02	Neg.	
198	Janitor	Wall	A	Concrete	0.02	Neg.	
199	Janitor	Wall	B	Concrete	0.01	Neg.	
200	Janitor	Wall	C	Concrete	0.01	Neg.	
201	Janitor	Wall	D	Concrete	0.02	Neg.	
202	Janitor	Floor Tile	Floor	Ceramic	0.02	Neg.	
203	Janitor	Baseboard	A	Ceramic	0.02	Neg.	
204	Janitor	Baseboard	B	Ceramic	0.02	Neg.	
205	Janitor	Baseboard	C	Ceramic	0.02	Neg.	
206	Janitor	Baseboard	D	Ceramic	0.02	Neg.	
207	Janitor	Ceiling	Top	Concrete	0.01	Neg.	
208	Bathroom 3	Door	D	Metal	0.01	Neg.	
209	Bathroom 3	Door Frame	D	Metal	0.01	Neg.	
210	Bathroom 3	Wall Tile	A	Ceramic	0.02	Neg.	
211	Bathroom 3	Wall Tile	B	Ceramic	0.02	Neg.	
212	Bathroom 3	Wall Tile	C	Ceramic	0.02	Neg.	
213	Bathroom 3	Wall Tile	D	Ceramic	0.02	Neg.	
214	Bathroom 3	Floor Tile	Floor	Ceramic	0.02	Neg.	
215	Bathroom 3	Ceiling	Top	Concrete	0.02	Neg.	
216	Bathroom 3	Sink	B	Ceramic	0.01	Neg.	
217	Bathroom 3	Sink	B	Ceramic	0.01	Neg.	



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GES 2023- 205	XRF Serial Number: 114943	Project: Building PW-8144 DI-218815 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Angel M. Rivera	Date: March 23, 2024	Page 29/32	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
218	Bathroom 3	Urinal	B	Ceramic	0.01	Neg.	
219	Bathroom 3	Toilet	B	Ceramic	0.00	Neg.	
220	Bathroom 3	Toilet	B	Ceramic	0.01	Neg.	
221	Calibrate				1.0		
222	Calibrate				0.9		
223	Calibrate				1.0		



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ADDENDUM VI

LEAD BASED PAINT NEGATIVE CERTIFICATION



GLOBAL ENVIRONMENTAL SERVICES LLC

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DNER Permits / EPA Permits & Certifications



GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

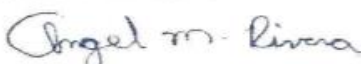
Yo, Angel M. Rivera, mayor de edad, casado, y vecino de Guayama
(Inspector o Evaluador de Riesgos) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 607 - 8965 Ext. _____
Fax () _____ - _____

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (Inspector / Evaluador de Riesgos) con Número de Certificación LBPI-33923-409, la cual se encuentra vigente.
(Building T093606800) en Carretera PR-128 Km. 40.9 Lot 25 Zeno Gandia
2. La estructura localizada en Industrial Park en Arecibo, PR, la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico,
(Municipio)
hoy día 24 de marzo de 2024


LBPI-33923-409
Firma del Inspector o Evaluador de Riesgos (en original)

Nota : Deberá someter evidencia de la tarjeta o certificado provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





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ADDENDUM VII

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Lead Based Paint free for the **Building T093606800** located at Road PR-128 Km. 40.9 Lot #25 Zeno Gandia Industrial Park in Arecibo, PR of March 24, 2024.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Asbestos Containing Materials Inspection



**SAMPLING CONDUCTED AT:
BUILDING T125507900
(PW-8144) & (DI-218823)
NORTH REGION**

*Located at in Road PR-128 Km. 40.9 Lot #44 Zeno Gandia Industrial Park
in Arecibo, PR*



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

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

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GLOBAL ENVIRONMENTAL SERVICES LLC

*Asbestos & Lead Based Paint Survey/ Environmental Consultants/ Industrial Hygiene/ Indoor Air Quality
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April 22, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Asbestos Containing Materials Inspection in Building T125507900 (PW-8144) & (DI-218823) North Region located at Road PR-128 Km. 40.9 Lot #44 Zeno Gandia Industrial Park in Arecibo, PR

Global Environmental Services LLC (GES) was contracted to perform a Asbestos Containing Materials Inspection in reference project (Building areas only). 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 April 1, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Asbestos Inspector # ASB-1223-0600-SI with enough experience.

During the Inspection, Inspector found suspected Asbestos Containing Materials. A total (4) Four 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.



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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 are 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.
- 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 / 787-607-8965 or email globalespr@gmail.com.

Cordially;

Mr. Angel O. Ortega, JS
Environmental Consultant
President

Mr. Elis J. Morales
Asbestos Inspector-ASB-1223-0600-SI



GLOBAL ENVIRONMENTAL SERVICES LLC

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

APPENDIX I

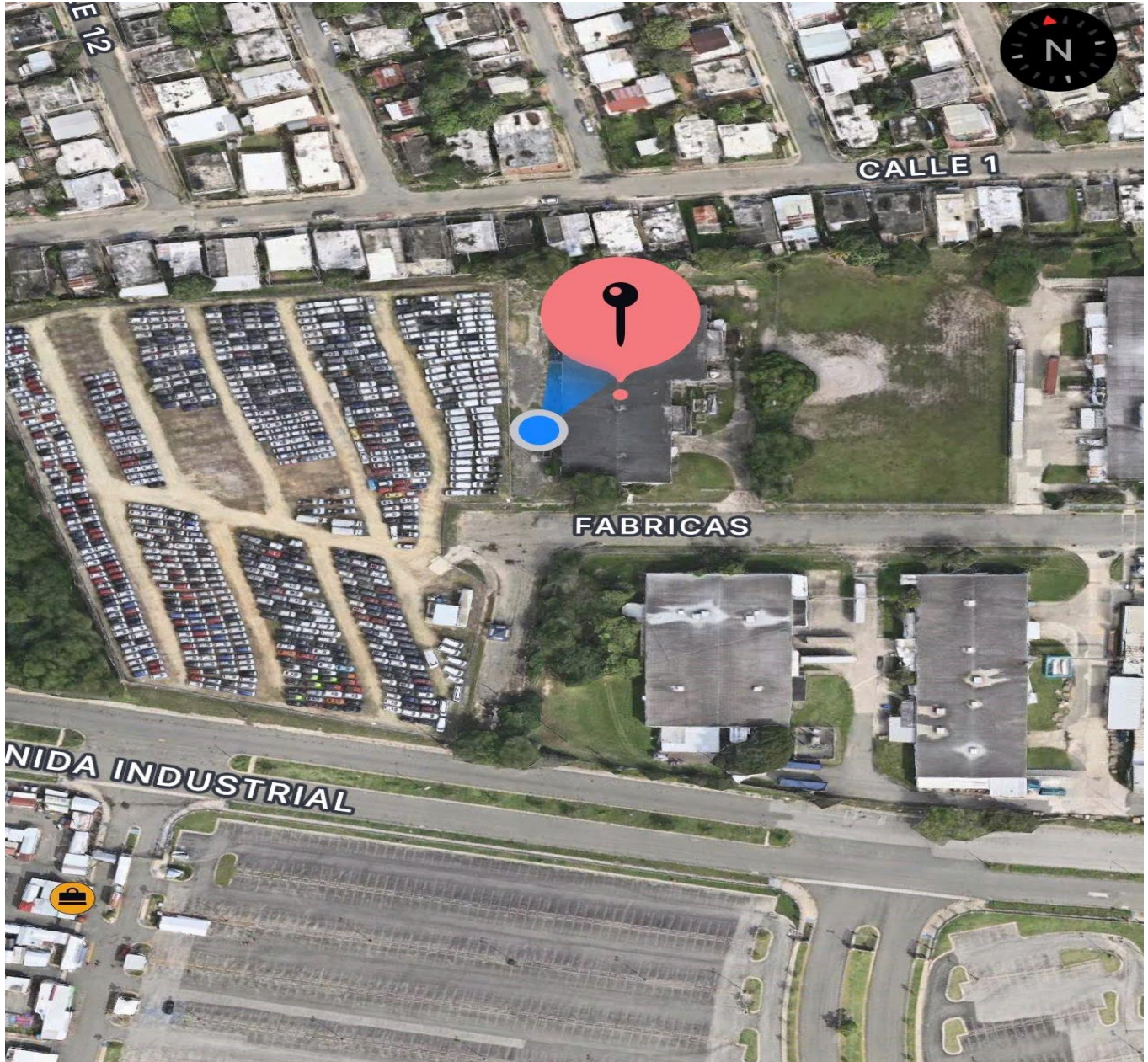
LAYOUT AND SITE LOCATIONS



GLOBAL ENVIRONMENTAL SERVICES LLC

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

SITE AREA



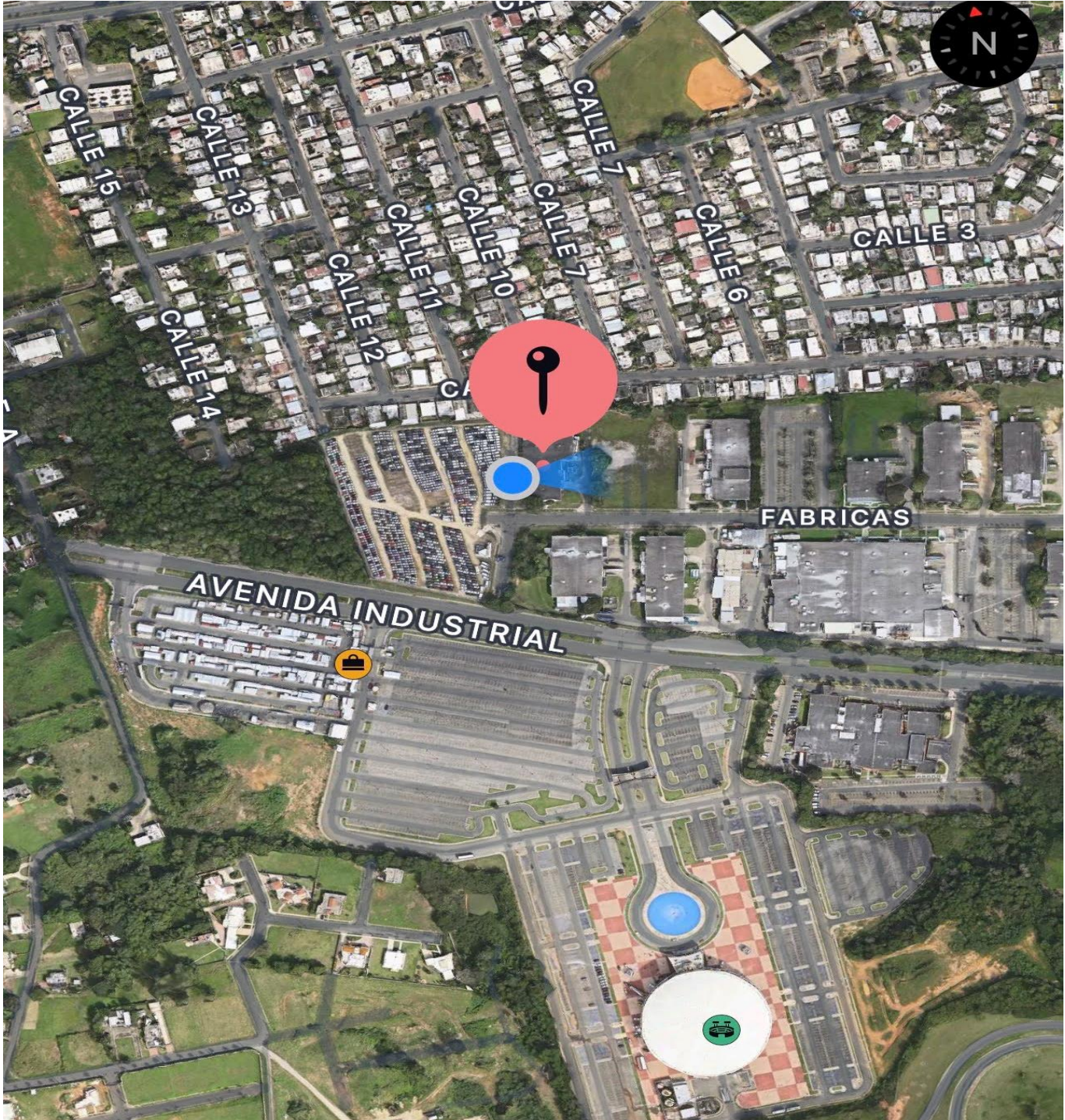
**COORDINATES TO GET TO THE PROJECT:
18.45978, -66.74879**



GLOBAL ENVIRONMENTAL SERVICES LLC

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

SITE AREA

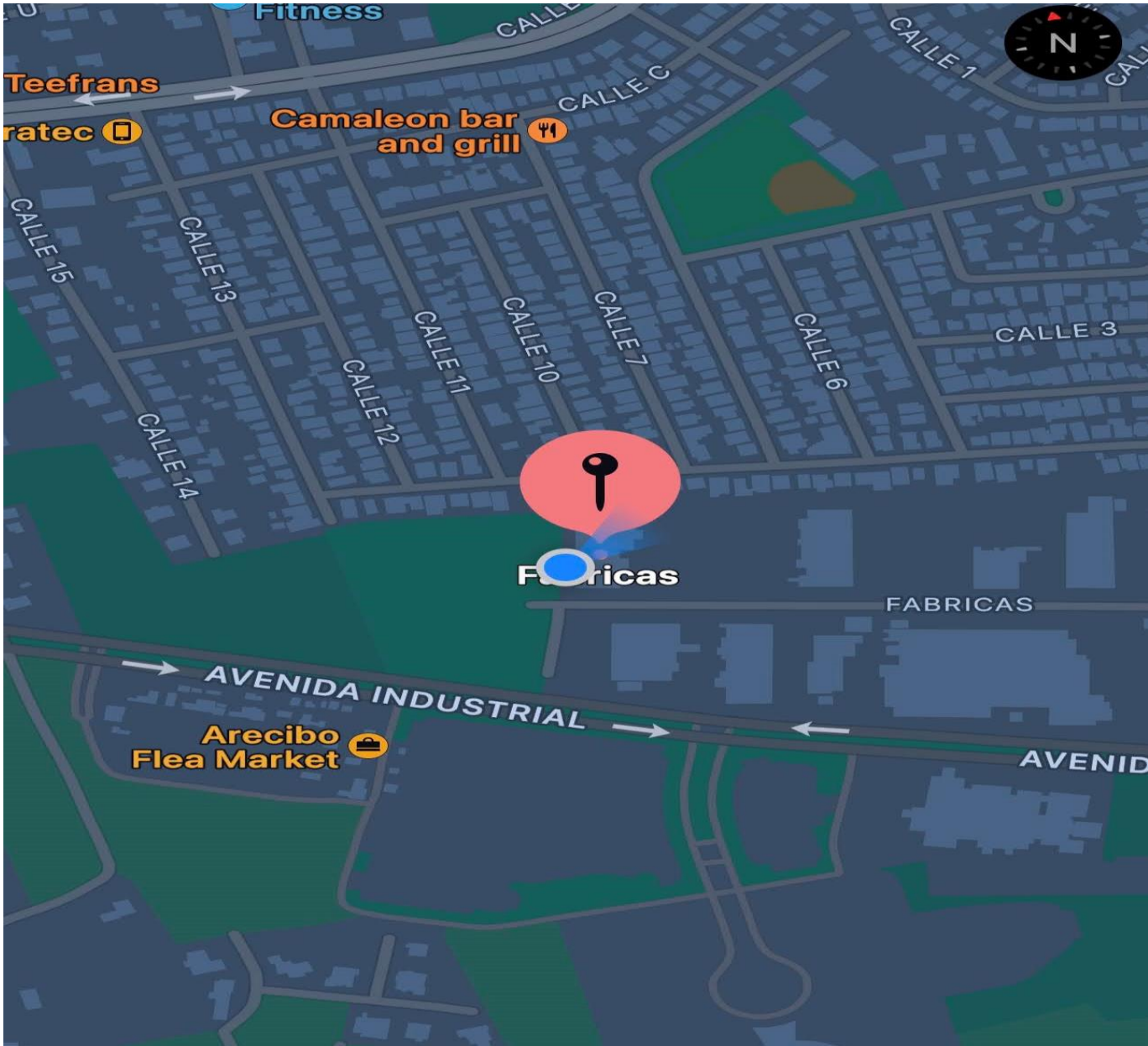




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SITE AREA





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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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APPENDIX II

**CERTIFICATIONS GRANTED BY THE DNER OF
PUERTO RICO**



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

ASBESTOS INSPECTOR CERTIFICATION

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p>
	<p>Esta tarjeta autoriza a:</p>
	<p>Elis J. Morales Rivera Inspector</p>
	<p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.</p>
<p>ASB-1223-0600-SI</p>	
<p>Número de Registro</p>	<p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p>11-nov-2024</p>	
<p>Fecha de vencimiento</p>	



GLOBAL ENVIRONMENTAL SERVICES LLC

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APPENDIX III

ASBESTOS SAMPLE INSPECTION FORM PHYSICAL & HAZARD ASSESSMENT



GLOBAL ENVIRONMENTAL SERVICES LLC

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

GES- 2023-205	Asbestos Sample Inspection	Project: Building T125507900 (PW-8144) & (DI-218823) in Arecibo, PR	Client: PRIDCO	Asbestos Inspector: Mr. Elis J. Morales	Date: April 1, 2024	Page 14/28
Sample ID	Sample Description	Material Category	Asbestos Contents %	Friability		AHERA Assessment Category (1-7, X,None)
T1255-EJ-01	Rooftop – Built Top Material (Flashing)	Misc.	NO DETECTED	NF		X
T1255-EJ-02	Rooftop – Built Top Material	Misc.	NO DETECTED	NF		X
T1255-EJ-03	Rooftop – Built Top Material	Misc.	NO DETECTED	NF		X
T1255-EJ-04	Storage- Rooftop – Black Mastic	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
BUILDING**



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SAMPLE- T1255-EJ-01



SAMPLE- T1255-EJ-02



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SAMPLE- T1255-EJ-03



SAMPLE- T1255-EJ-04



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APPENDIX V

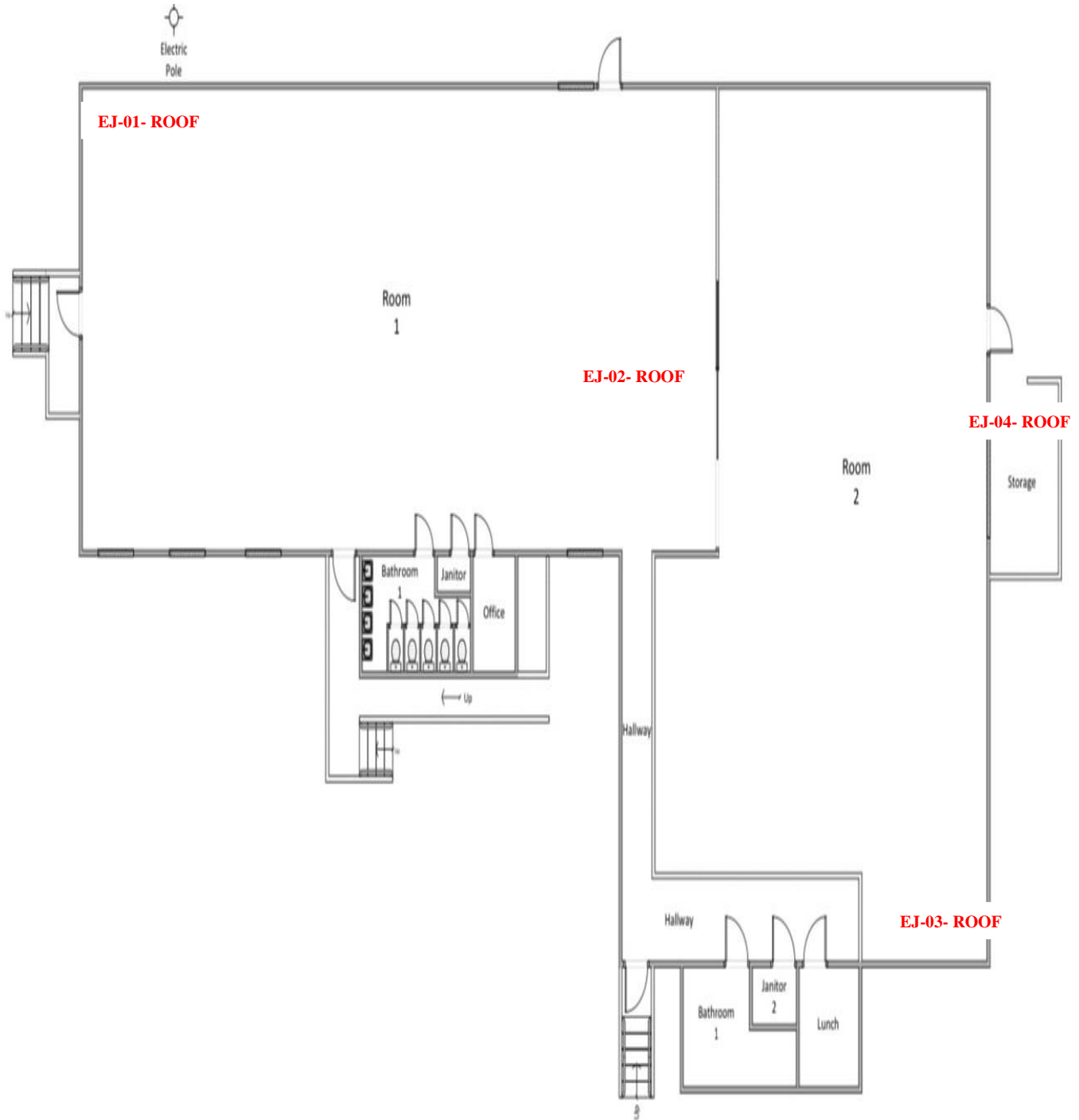
LOCATIONS OF BULKS SAMPLES TAKEN



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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/ Industrial Hygiene/ Indoor Air Quality
DNER Permits / EPA Permits & Certifications

OrderID: 172401753



EMSL ANALYTICAL, INC.

Asbestos Chain of Custody EMSL Order Number (lab use only):

172401753

EMSL ANALYTICAL, INC.
19501 NE 10th AVE BAY A
N. MAJAMA BEACH, FL 33179
PHONE: (305)650-0577
FAX: (305) 650-0578

Company Name: Global Environmental Services, LLC		EMSL Customer ID:	+56GLOE33
Street: RR8 BOX 1995 PMB 313		City: BAYAMON	State or Province: PR
Zip/Postal Code: 00956	Country: US	Telephone #: (787) 607-8965	Fax #:
Report To (Name): Angel O. Ortega		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: globalespr@gmail.com		Purchase Order Number:	
Client Project ID: 23-0104/01-210223/T1255/2023-205		EMSL Project ID (Internal use only):	
State or Province Collected: ARECIBO, PR		CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt <input type="checkbox"/>	

EMSL-Bill to: Same Different - If bill to is different note instructions in comment. Third party billing requires written authorization from third party

Turnaround Time (TAT) Options Please Check

3 Hr¹ 4-4.5Hr¹ 6 Hr¹ 24 Hr 32 Hr² 48 Hr 72 Hr 96 Hr 1 Week 2 Week

¹ Premium Service Charge applies for 3 Hour TEM AHERA or EPA Level II TAT - you will be asked to sign an authorization form. TEM Air 3-6 Hour, please call ahead to schedule
² 32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air¹ <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Settled Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB Point Count (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%)	Soil - Rock - Vermiculite (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable - NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Other test (please specify):

Stop At First Positive (clearly identify homogenous areas below) Filter Pore Size (Air Samples): 0.8µm 0.45µm

Sampler's Name: E/IS J. MORALES Sampler's Signature: *[Signature]*

Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
T1255-E3-01	ROOFTOP AREA, BUILDING MATERIAL (FLASHING)	N/A	April - 01 - 2024 10:12 AM
T1255-E3-02	ROOFTOP AREA, BUILDING MATERIAL	N/A	April - 01 - 2024 10:14 AM
T1255-E3-03	ROOFTOP AREA, BUILDING MATERIAL	N/A	April - 01 - 2024 10:20 AM
T1255-E3-04	STORAGE ROOFTOP AREA, BLACK MASTIC	N/A	April - 01 - 2024 10:24 AM
April - 1 - 2024		N/A	

Client Sample # (s): T1255-E3-01 - T1255-E3-04 Total # of Samples: 4

Relinquished by (Client): E/IS J. MORALES *[Signature]* Date: April - 1 - 2024 Time: 10:59 AM

Received by (Lab): Date: Time:

Comments/Special Instructions:

RECEIVED
APR 18 2024
NS

By *[Signature]* 2:00pm

Controlled Document - COC-05 Asbestos - R12 - 03032019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.



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EMSL Analytical, Inc.

19501 NE 10th Ave. Bay A N. Miami Beach, FL 33179
Tel/Fax: (305) 650-0577 / (305) 650-0578
<http://www.EMSL.com> / miamilab@emsl.com

EMSL Order: 172401753
Customer ID: GLES75
Customer PO:
Project ID:

Attention: Angel Ortega
Global Environmental Services, LLC
RR8 BOX 1995
PMB 313
Bayamon, 00956

Phone: (787) 994-2203

Fax:

Received Date: 04/18/2024 2:00 PM

Analysis Date: 04/19/2024

Collected Date: 04/01/2024

Project: PW-8144/ DI-2188823/ T1255 / 2022-205 Arcibo, PR

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
T1255-EJ-01 <small>172401753-0001</small>	Builtup Material (Flashing)	Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
T1255-EJ-02-Roofing <small>172401753-0002</small>	Builtup Material	Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
T1255-EJ-02-Insulation <small>172401753-0002A</small>	Builtup Material	Beige Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
T1255-EJ-03-Roofing <small>172401753-0003</small>	Builtup Material	Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
T1255-EJ-03-Insulation <small>172401753-0003A</small>	Builtup Material	Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
T1255-EJ-03-Foam <small>172401753-0003B</small>	Builtup Material	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
T1255-EJ-04 <small>172401753-0004</small>	Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Analyst(s)

Alexander Pena (7)

Kimberly Wallace, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and meet method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 04/19/2024 12:17:48

ASB_PLM_0008_0001 - 1.78 Printed: 4/19/2024 12:17 PM

Page 1 of 1



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APPENDIX VII

LABORATORY CERTIFICATIONS



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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

*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).*

2023-04-01 through 2024-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

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*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
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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).*

2024-04-01 through 2025-03-31

Effective Dates




For the National Voluntary Laboratory Accreditation Program



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APPENDIX VIII

ASBESTOS NEGATIVE CERTIFICATION



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GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

OGPE
Oficina de Generación de Permisos

Área de Calidad de Agua

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____


Yo, Elis J. Morales, mayor de edad, casado, y vecino de Naranjito
(Nombre) (Estado Civil) (Municipio)

Dirección Postal RR8 Box 1995 PMB 313 Bayamón, PR 00956
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 607 - 8965 Oficina (787) 994 - 2203 Ext. _____
Fax () - -

Certifico que: (Edificio T125507900) PW-8144 DI-218823

- La estructura localizada en Carretera PR-128 Km. 40.9 Lot #44 Zeno Gandia, la cual será objeto de una demolición se encuentra libre de asbesto.
Industrial Park en Arecibo, PR
- La información antes indicada es cierta y correcta.
- Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
- Para que así conste, firmo la presente certificación en Bayamón de Puerto Rico,
(Municipio)
hoy día 22 de abril de 2024



ASB-1223-0600-SI
Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962





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APPENDIX IX

CONCLUSION

After evaluating the above mentioned project, our company Global Environmental Services LLC certifies Asbestos free for the **Building T125507900 (PW-8144) & (DI-218823)** in Road PR-128 Km. 40.9 Lot #44 Zeno Gandia Industrial Park in Arecibo, PR of April 22, 2024.



GLOBAL ENVIRONMENTAL SERVICES LLC

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

DNER Permits / EPA Permits & Certifications EM@IL: globalespr@gmail.com

POSTAL ADDRESS: RR8 BOX 1995 PMB 313 BAYAMON, PR 00956 Phones: 787-994-2203 . 787-607-8965

Lead Based Paint Inspection



**SAMPLING CONDUCTED AT:
BUILDING T125507900
(PW-8144) & (DI-218823)
NORTH REGION**

*Located at in Road PR-128 Km. 40.9 Lot #44 Zeno Gandia Industrial Park
in Arecibo, PR*



GES Project # -2023-205

APRIL 2024



GLOBAL ENVIRONMENTAL SERVICES LLC

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April 11, 2024

Mr. Cesar Rivera Rodriguez
Project Manager FEMA
Property Administration
PRIDCO Puerto Rico Industrial Development Company
PO Box 362350 San Juan, PR 00918

Affair: Lead Based Paint Inspection in Building T125507900 (PW-8144) & (DI-218823) North Region located at Road PR-128 Km. 40.9 Lot #44 Zeno Gandia Industrial Park in Arcibo, PR

Dear Mr. Rivera:

Global Environmental Services LLC (GES) was contracted to perform a Lead Based Paint Inspection at reference project (Building areas only). The Lead Paint Standard is in Addendum I of the Report. Project Photos in Addendum III of the report. The Inspection performance with Thermo Fisher Scientific XRF Niton’s Model Xlp 300A Serial Number 101094 was conducted using H.U.D. Standard for Lead Based Paint as defined by Title X of Housing and Community Department Act of 1992 (unless HUD and EPA have lowered the standard) & Guidelines for the Evaluation and Control of Lead Based Paint in Housing of 1997, revised in 2012 and Regulation # 9098 of the year 2019-Department of Natural and Environmental Resources of Puerto Rico (DNER) for the proper management of Lead Based Paint Activities. The Lead Based Paint inspection was conducted on April 1, 2024 by Mr. Elis J. Morales, Department of Natural and Environmental Resources of Puerto Rico (DNER) certified Lead Based Paint Inspector # LBPI-24823-299 with enough experience.

The project consisted of evaluation in all components in Building located in Arcibo, PR. During the evaluation **we found positive components with Lead Based Paint** in said project.

TABLE 1.0 – SUMMARY OF COMPONENTS WITH LEAD BASED PAINT				
FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	UNITS/ LN. FT. APPROX.
Exterior- Side B	Electric Pole	B	Wood	5 In. ft. approx.
Room 1	Yellow Floor Lines	Floor	Concrete	20 In. ft. approx.



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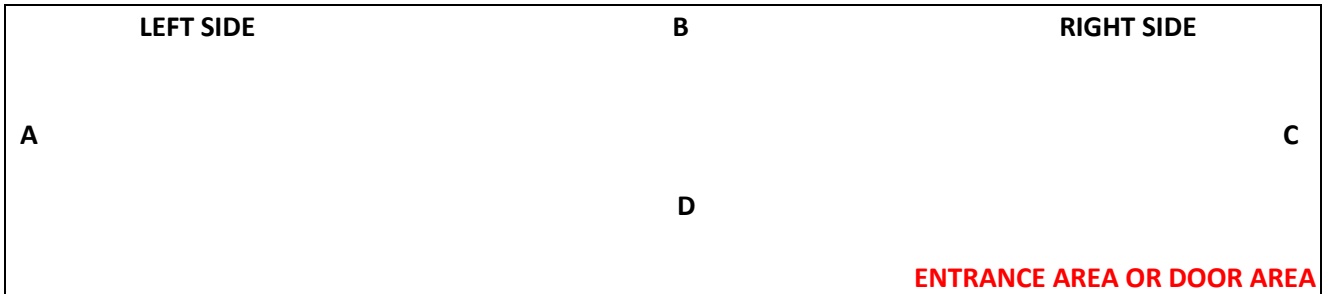
Negative Definition= If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm² it is considered negative.

Positive Definition= If the concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm² it is considered **Positive**.

TABLE- LEAD REGULATORY LEVELS	
	EPA & DNER Levels
LEAD BASED PAINT	1.0mg/cm ² or 0.5% by weight (or 5,000 ppm)

Lead Based Paint Inspection Guidelines used during the inspection.

SOP: Standard Operation Procedure :



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
Lead Based Paint Inspector LBPI-24823-299



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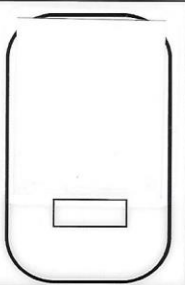
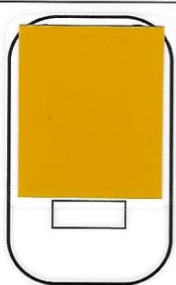

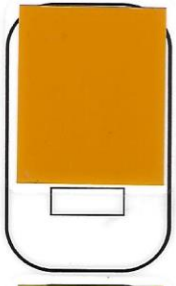
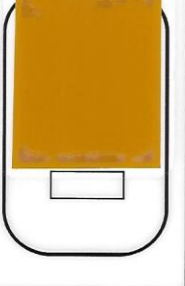

ADDENDUM I

THE LEAD PAINT STANDARD



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ThermoFisher SCIENTIFIC		Lead Paint Standard	Surface Lead mg/cm ² PN 500-934
<p>< 0.01 ± ----- SRM 2570</p>			<p>3.58 ± 0.39 SRM 2571</p>
<p>XRF Calibration Check Units 1.04 ± 0.06 SRM 2573 For a 20 sec sam- ple, the reading should be: 0.8 to 1.2 mg/cm²</p>			<p>1.53 ± 0.09 SRM 2572</p>
<p>0.71 ± 0.08 SRM 2574</p>			<p>0.31 ± 0.02 SRM 2575</p>
<p>Americas Thermo Scientific 2 Radcliff Road Tewksbury, MA 01876 USA Tel USA: 800-875-1578 Tel: +1 978-670-7460 Fax: +1 978-670-7430 niton@thermofisher.com</p>	<p>Europe and Africa Thermo Scientific Joseph-Dollinger-Bogen 9 80807 Munich Germany Office: +49 89 3681 380 Fax: +49 89 3681 3830 niton.eur@thermofisher.com</p>	<p>Asia and the Middle East Thermo Scientific Unit 23, 5/F, Corporation Park, 11 On Lai Street, Siu Lek Yuen, Shatin, NT, Hong Kong. Office: +852 2869 6669 Fax: +852 2567 4447 niton.asia@thermofisher.com</p>	



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ADDENDUM II

PERFORMANCE CHARACTERISTIC SHEET (PCS)-

XRF NITON XLP SERIE #300A



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Niton XLp 300, 9/24/2004, ed. 1

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

1 of 3



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Niton XLp 300, 9/24/2004, ed. 1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.



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Niton XLp 300, 9/24/2004, ed. 1

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



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ADDENDUM III

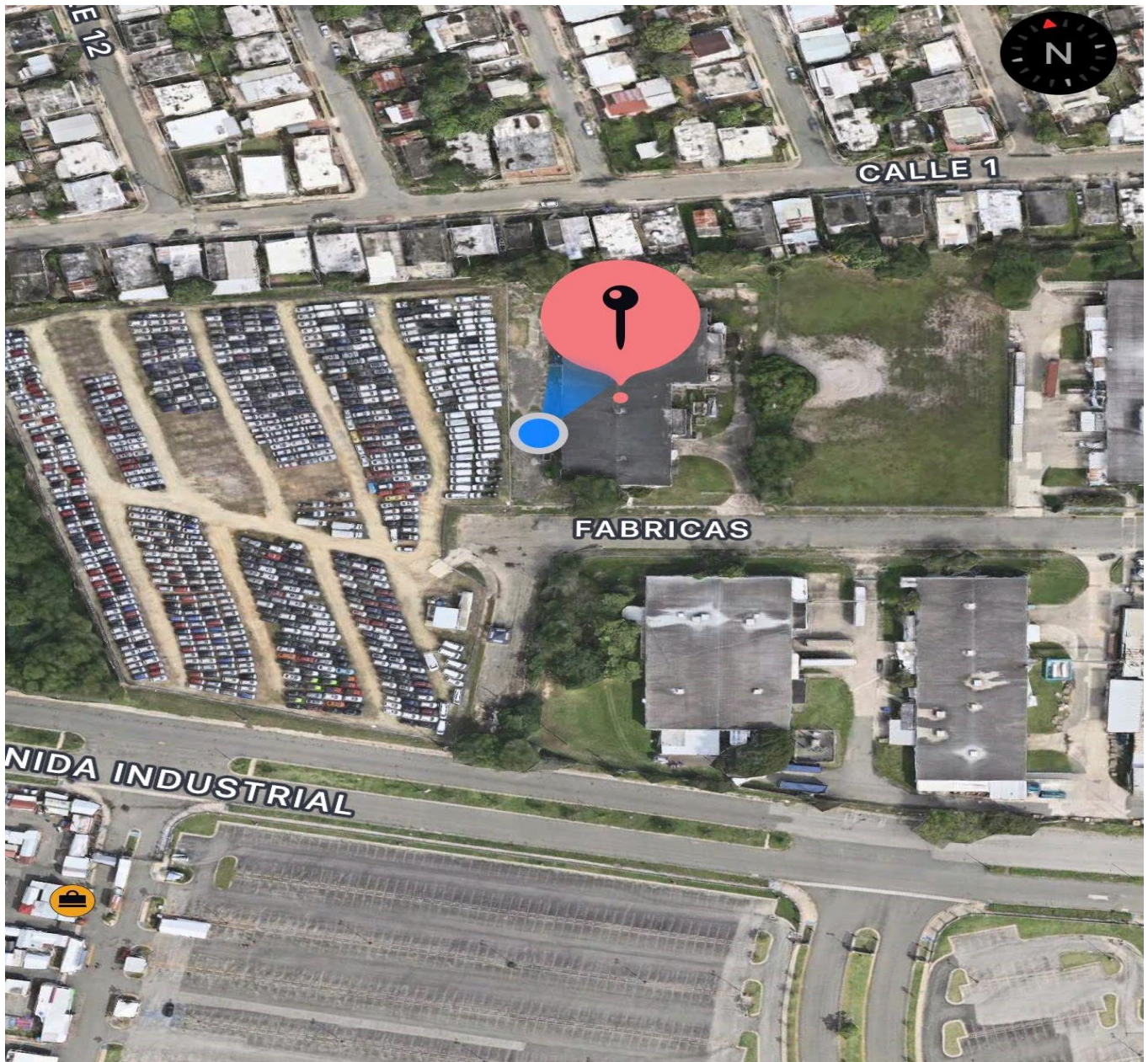
SITE AREA & FUNCTIONAL SPACES



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DNER Permits / EPA Permits & Certifications

SITE AREA



COORDINATES TO GET TO THE PROJECT:

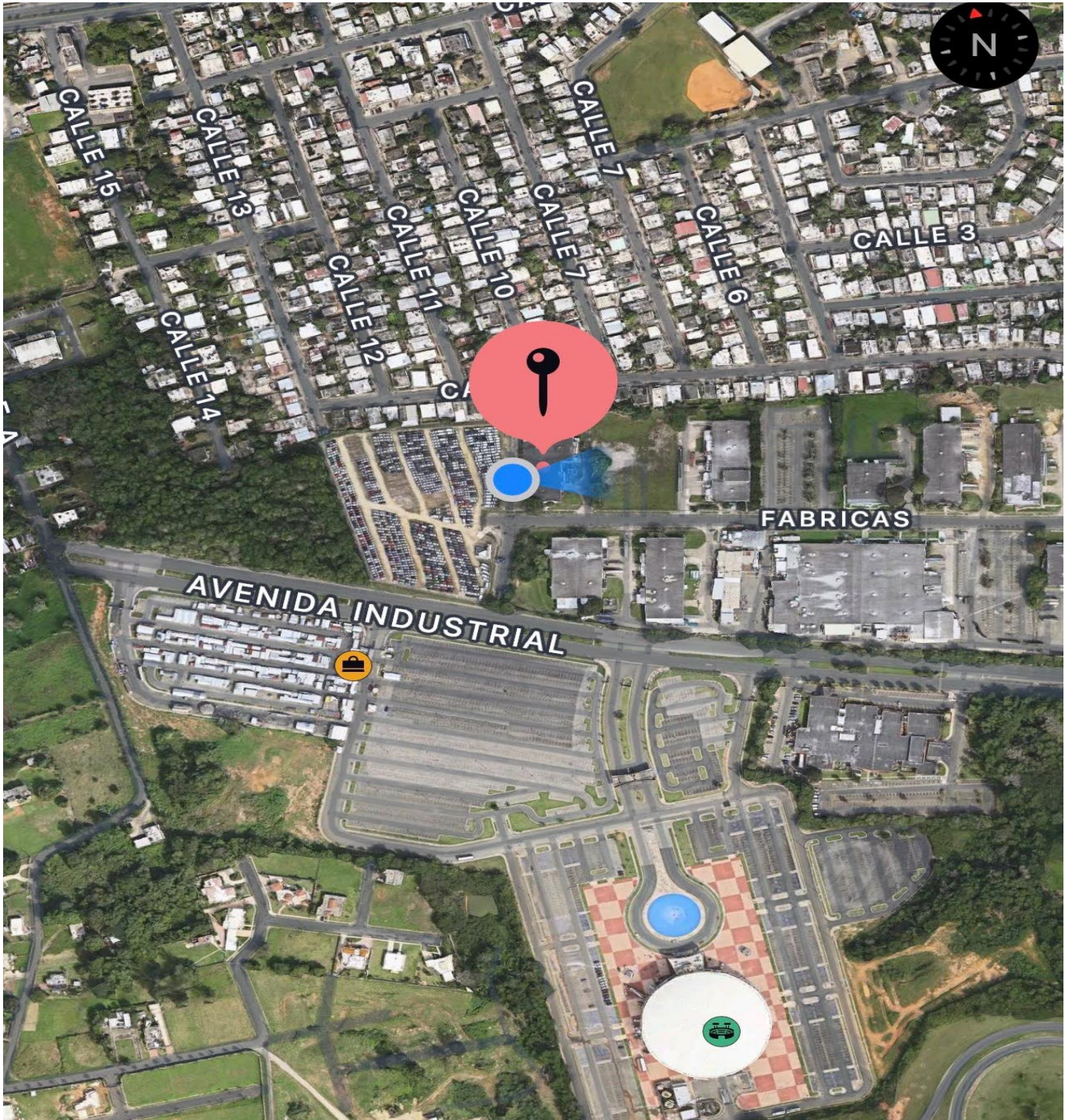
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SITE AREA

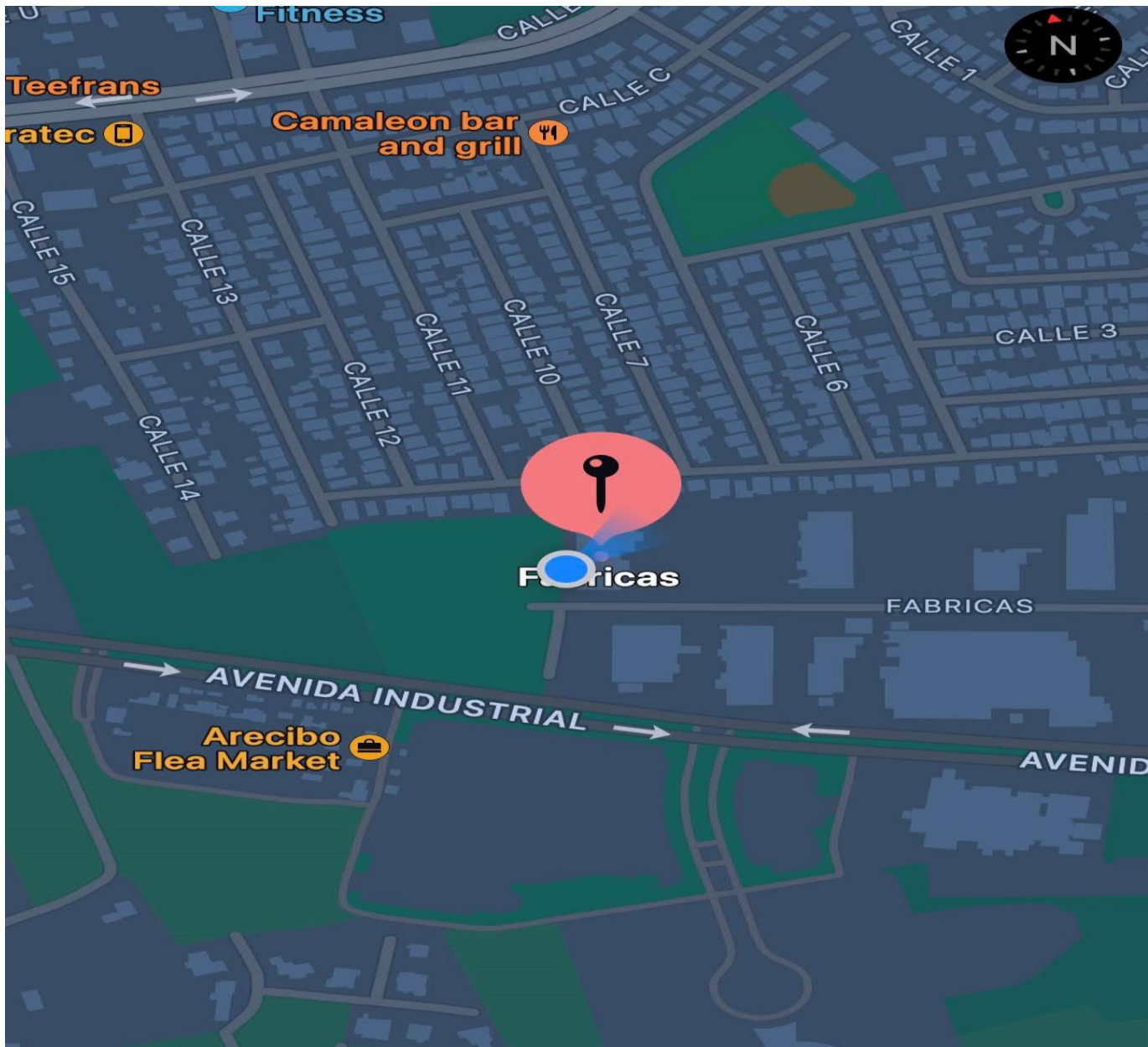




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SITE AREA

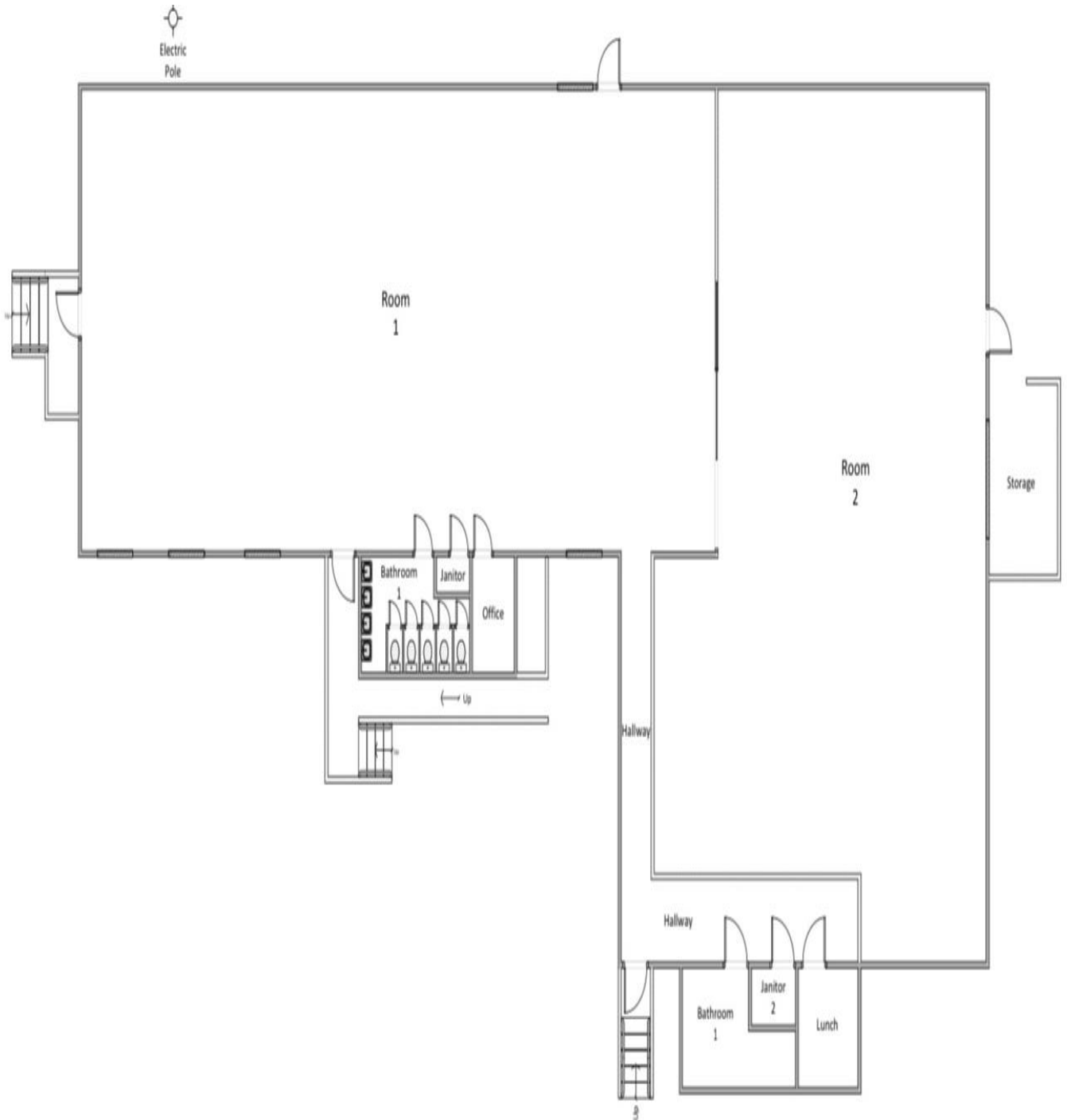




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LAYOUT AND FUNCTIONAL SPACES



NOT TO SCALE



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PROJECT- AERIAL VIEW





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ADDENDUM IV

***CERTIFICATIONS GRANTED BY THE DEPARTMENT OF NATURAL
AND ENVIRONMENTAL RESOURCES OF PUERTO RICO***



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GLOBAL ENVIRONMENTAL SERVICES LLC COMPANY LEAD CERTIFICATION





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MR. ELIS J. MORALES- LEAD BASED PAINT INSPECTOR CERTIFICATION





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ADDENDUM V

LBP TESTING COMBINATIONS



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 21/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
1	Calibrate				0.9		
2	Calibrate				0.9		
3	Calibrate				1.0		
4	Exterior	Wall	A	Concrete	0.01	Neg.	
5	Exterior	Wall	B	Concrete	0.01	Neg.	
6	Exterior	Wall	C	Concrete	0.01	Neg.	
7	Exterior	Wall	D	Concrete	0.01	Neg.	
8	Exterior	Electric Pole	A	Wood	2.1	Pos.	1 Unit 5 Ln. Ft. Approx.
9	Exterior Stair	Floor	Floor Side A	Concrete	0.00	Neg.	
10	Exterior Stair	Floor	Floor Side D	Concrete	0.00	Neg.	
11	Exterior Stair	Floor	Floor Side D	Concrete	0.00	Neg.	
12	Exterior Stair	Handrail	A	Metal	0.02	Neg.	
13	Exterior Stair	Handrail	B	Metal	0.02	Neg.	
14	Exterior Stair	Handrail	D	Metal	0.02	Neg.	
15	Exterior Stair	Handrail	D	Metal	0.02	Neg.	
16	Room 1	Metal Gate	D	Metal	0.02	Neg.	
17	Room 1	Door	D	Metal	0.02	Neg.	
18	Room 1	Door Frame	D	Metal	0.02	Neg.	
19	Room 1	Wall	A	Concrete	0.01	Neg.	
20	Room 1	Wall	C	Concrete	0.02	Neg.	
21	Room 1	Wall	D	Concrete	0.02	Neg.	
22	Room 1	Fence	B	Metal	0.00	Neg.	
23	Room 1	Floor	Floor	Concrete	0.00	Neg.	
24	Room 1	Yellow Floor Lines	Floor	Concrete	1.6	Pos.	20 Ln. Ft. Approx.



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 22/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
25	Room 1	Ceiling	Top	Concrete	0.01	Neg.	
26	Room 1	Gate	A	Metal	0.02	Neg.	
27	Room 1	Door	A	Metal	0.02	Neg.	
28	Room 1	Door Frame	A	Metal	0.02	Neg.	
29	Room 1	Gate	B	Metal	0.02	Neg.	
30	Room 1	Door	B	Metal	0.02	Neg.	
31	Room 1	Door Frame	B	Metal	0.02	Neg.	
32	Room 1	Gate	C	Metal	0.02	Neg.	
33	Room 1	Door	C	Metal	0.02	Neg.	
34	Room 1	Door Frame	C	Metal	0.02	Neg.	
35	Room 1	Gate	C	Metal	0.02	Neg.	
36	Room 1	Door	C	Metal	0.02	Neg.	
37	Room 1	Door Frame	C	Metal	0.02	Neg.	
38	Room 1	Rolling Door	A	Metal	0.02	Neg.	
39	Room 1	Rolling Door	B	Metal	0.02	Neg.	
40	Room 1	Rolling Door	C	Metal	0.02	Neg.	
41	Room 1	Rolling Door	C	Metal	0.02	Neg.	
42	Room 1	Rolling Door	C	Metal	0.02	Neg.	
43	Room 1	Rolling Door	C	Metal	0.02	Neg.	
44	Office	Door	D	Metal	0.02	Neg.	
45	Office	Door Frame	D	Metal	0.02	Neg.	
46	Office	Wall	A	Concrete	0.01	Neg.	
47	Office	Wall	B	Concrete	0.01	Neg.	
48	Office	Wall	C	Concrete	0.02	Neg.	
49	Office	Wall	D	Concrete	0.02	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 23/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
50	Office	Floor Tile	Floor	Ceramic	0.02	Neg.	
51	Office	Baseboard	A	Ceramic	0.02	Neg.	
52	Office	Baseboard	B	Ceramic	0.02	Neg.	
53	Office	Baseboard	C	Ceramic	0.02	Neg.	
54	Office	Baseboard	D	Ceramic	0.02	Neg.	
55	Office	Ceiling	Top	Concrete	0.01	Neg.	
56	Janitor	Gate	D	Metal	0.02	Neg.	
57	Janitor	Wall	A	Concrete	0.01	Neg.	
58	Janitor	Wall	B	Concrete	0.01	Neg.	
59	Janitor	Wall	C	Concrete	0.02	Neg.	
60	Janitor	Wall	D	Concrete	0.02	Neg.	
61	Janitor	Floor	Floor	Concrete	0.00	Neg.	
62	Janitor	Ceiling	Top	Concrete	0.01	Neg.	
63	Bathroom 1	Door	D	Metal	0.01	Neg.	
64	Bathroom 1	Door Frame	D	Metal	0.01	Neg.	
65	Bathroom 1	Wall	A	Concrete	0.02	Neg.	
66	Bathroom 1	Wall	B	Concrete	0.01	Neg.	
67	Bathroom 1	Wall	C	Concrete	0.02	Neg.	
68	Bathroom 1	Wall	D	Concrete	0.02	Neg.	
69	Bathroom 1	Wall Tile	A	Ceramic	0.02	Neg.	
70	Bathroom 1	Wall Tile	B	Ceramic	0.02	Neg.	
71	Bathroom 1	Wall Tile	C	Ceramic	0.02	Neg.	
72	Bathroom 1	Wall Tile	D	Ceramic	0.02	Neg.	
73	Bathroom 1	Floor Tile	Floor	Ceramic	0.02	Neg.	
74	Bathroom 1	Ceiling	Top	Concrete	0.02	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 24/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
75	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
76	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
77	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
78	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
79	Bathroom 1	Toilet	B	Ceramic	0.01	Neg.	
80	Bathroom 1	Urinal	C	Ceramic	0.01	Neg.	
81	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	
82	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	
83	Bathroom 1	Sink	C	Ceramic	0.01	Neg.	
84	Room 2	Sliding Gate	D	Metal	0.02	Neg.	
85	Room 2	Door	D	Metal	0.02	Neg.	
86	Room 2	Door Frame	D	Metal	0.02	Neg.	
87	Room 2	Wall	A	Concrete	0.01	Neg.	
88	Room 2	Wall	B	Concrete	0.02	Neg.	
89	Room 2	Wall	C	Concrete	0.02	Neg.	
90	Room 2	Fence	C	Metal	0.00	Neg.	
91	Room 2	Fence	D	Metal	0.00	Neg.	
92	Room 2	Floor	Floor	Concrete	0.00	Neg.	
93	Room 2	Ceiling	Top	Concrete	0.01	Neg.	
94	Room 2	Door	B	Metal	0.02	Neg.	
95	Room 2	Door Frame	B	Metal	0.02	Neg.	
96	Lunch	Screen Door	D	Metal	0.02	Neg.	
97	Lunch	Screen Door Frame	D	Metal	0.02	Neg.	
98	Lunch	Wall	A	Concrete	0.02	Neg.	
99	Lunch	Wall	B	Concrete	0.01	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 25/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
100	Lunch	Wall	C	Concrete	0.02	Neg.	
101	Lunch	Wall	D	Concrete	0.02	Neg.	
102	Lunch	Floor Tile	Floor	Ceramic	0.02	Neg.	
103	Lunch	Baseboard	A	Ceramic	0.02	Neg.	
104	Lunch	Baseboard	B	Ceramic	0.02	Neg.	
105	Lunch	Baseboard	C	Ceramic	0.02	Neg.	
106	Lunch	Baseboard	D	Ceramic	0.02	Neg.	
107	Lunch	Ceiling	Top	Concrete	0.01	Neg.	
108	Janitor 2	Door	D	Wood	0.02	Neg.	
109	Janitor 2	Door Frame	D	Wood	0.02	Neg.	
110	Janitor 2	Wall	A	Concrete	0.01	Neg.	
111	Janitor 2	Wall	B	Concrete	0.01	Neg.	
112	Janitor 2	Wall	C	Concrete	0.02	Neg.	
113	Janitor 2	Wall	D	Concrete	0.02	Neg.	
114	Janitor 2	Floor	Floor	Concrete	0.00	Neg.	
115	Janitor 2	Ceiling	Top	Concrete	0.01	Neg.	
116	Bathroom 2	Door	D	Metal	0.01	Neg.	
117	Bathroom 2	Door Frame	D	Metal	0.01	Neg.	
118	Bathroom 2	Wall	A	Concrete	0.02	Neg.	
119	Bathroom 2	Wall	B	Concrete	0.01	Neg.	
120	Bathroom 2	Wall	C	Concrete	0.01	Neg.	
121	Bathroom 2	Wall	D	Concrete	0.01	Neg.	
122	Bathroom 2	Wall Tile	A	Ceramic	0.02	Neg.	
123	Bathroom 2	Wall Tile	B	Ceramic	0.01	Neg.	
124	Bathroom 2	Wall Tile	C	Ceramic	0.01	Neg.	



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GES 2023- 205	XRF Serial Number: 101094	Project: Building T125507900 PW-8144 DI-218823 in Arecibo, PR	Client: PRIDCO	LBP Inspector: Mr. Elis J. Morles	Date: March 1, 2024	Page 26/33	
Sample ID	Functional Space	Component	Side	Substrate	XRF Reading (mg/cm ²)	Result Pos./ Neg.	Approx. Sq. ft./ Ln. Ft.
125	Bathroom 2	Wall Tile	D	Ceramic	0.02	Neg.	
126	Bathroom 2	Floor Tile	Floor	Ceramic	0.02	Neg.	
127	Bathroom 2	Ceiling	Top	Concrete	0.02	Neg.	
128	Storage	Rolling Door	D	Metal	0.02	Neg.	
129	Storage	Wall	A	Metal	0.02	Neg.	
130	Storage	Wall	B	Metal	0.01	Neg.	
131	Storage	Wall	C	Metal	0.02	Neg.	
132	Storage	Wall	D	Metal	0.02	Neg.	
133	Storage	Floor	Floor	Concrete	0.00	Neg.	
134	Storage	Celling	Top	Metal	0.01	Neg.	
135	Storage	Column	A	Metal	0.01	Neg.	
136	Storage	Column	A	Metal	0.01	Neg.	
137	Storage	Column	C	Metal	0.01	Neg.	
138	Storage	Column	C	Metal	0.01	Neg.	
139	Calibrate				1.0		
140	Calibrate				1.0		
141	Calibrate				1.0		



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ADDENDUM VI

***TABLE SUMMARY OF COMPONENTS WITH
LEAD BASED PAINT***



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TABLE SUMMARY OF COMPONENTS WITH LEAD BASED PAINT

FUNCTIONAL SPACE	COMPONENT	SIDE	SUBSTRATE	LN. FT. APPROX./ UNITS
Exterior- Side B	Electric Pole	B	Wood	1 Unit- 5 In. ft. approx.
Room 1	Yellow Floor Lines	Floor	Concrete	20 In. ft. approx.



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ADDENDUM VII

***PHOTOGRAPHS OF POSITIVE COMPONENTS WITH
LEAD BASED PAINT***

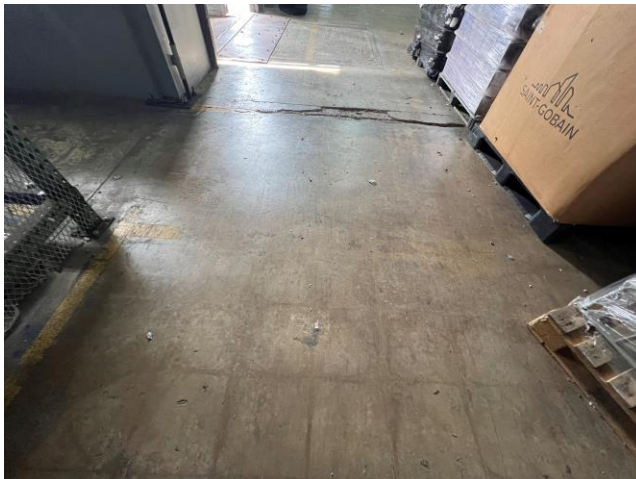


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Exterior – Side B- Wood Electric Pole with Lead Based Paint



Room 1- Concrete Yellow Floor Lines with Lead Based Paint



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ADDENDUM VIII

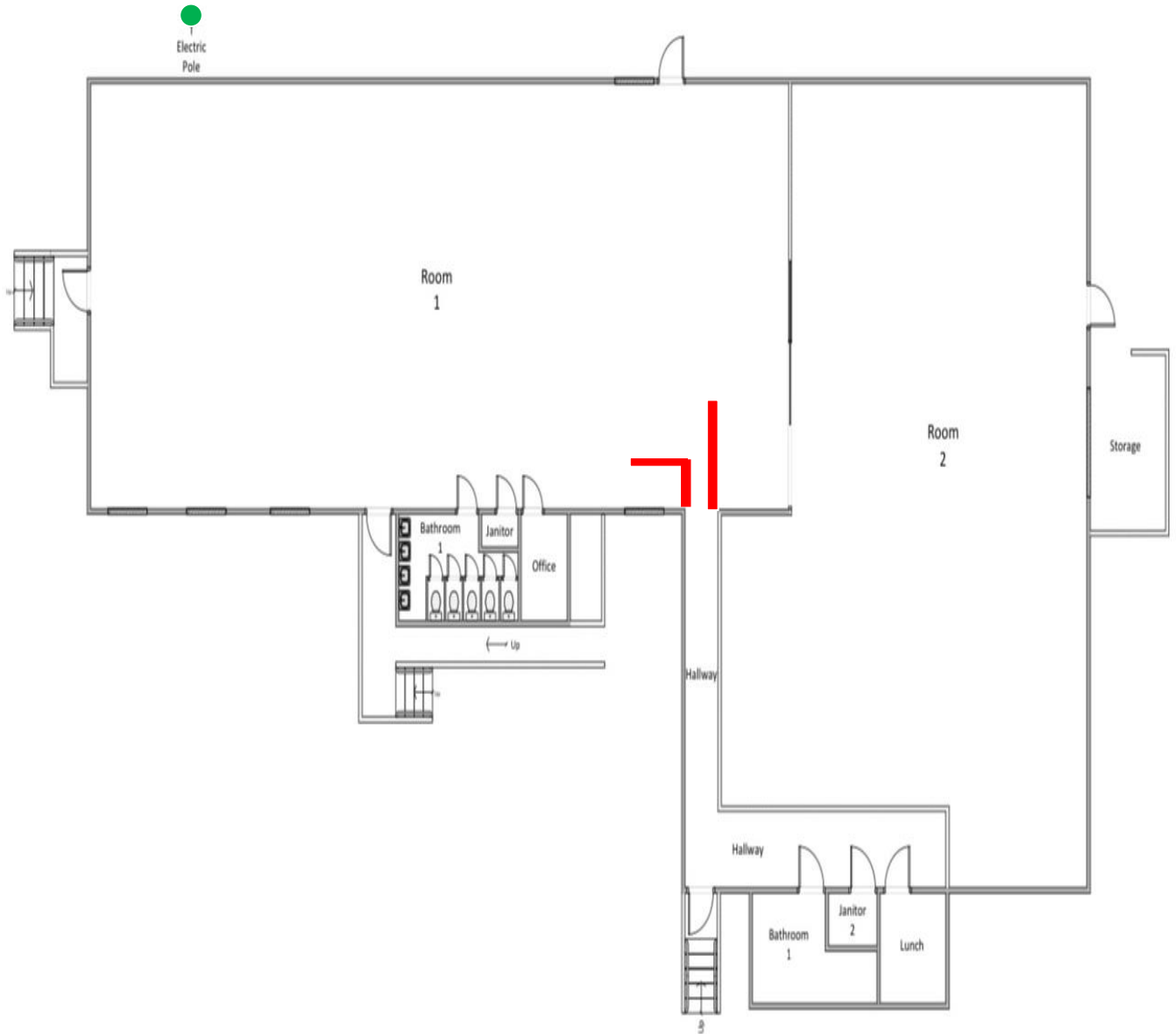
***WHERE THE POSITIVE COMPONENTS AREA FOUND WITH
LEAD BASED PAINT***



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LBP POSITIVE RESULTS LOCATIONS



 = CONCRETE YELLOW FLOOR LINES WITH LBP

NOT TO SCALE

 = WOOD ELECTRIC POLE WITH LBP



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ADDENDUM VI

CONCLUSION

Global Environmental Services LLC recommends the owner or representative of owner to hire a Company Certified in the Department of Natural and Environmental Resources (DNER) of Puerto Rico to mitigate and dispose positive areas with Lead Based Paint if is going to touch or demolish the Building areas.