ASBESTOS CONTAINING BUILDING MATERIALS INSPECTION REPORT

FOR

DEPARTAMENTO DE LA FAMILIA

SAMPLING CONDUCTED AT
DEPARTAMENTO DE LA FAMILIA
AVE. BARBOSA #306
SAN JUAN, PR 00917

ZEM-17266

August 10, 2018

PREPARED BY:
ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
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TABLE OF CONTENT

SECTION 1: Executive Summary 1

1.1 Introduction 1

1.2 Summary of Property Evaluation 1

1.3 Property Locations of Building Components with Asbestos 1

Table 1-1 Summary of Building components Containing Asbestos 2

SECTION 2: ASBESTOS CONTAINING BUILDING MATERIALS INSPECTION REPORT 3

2.1 Overview of the Evaluation 3

2.2 Sampling Procedures and Results Presentation 3

2.3 Findings and Recommendations 4

2.3.1 Introduction 4

2.3.2 Specific Findings 4

2.3.3 Homogeneous Areas with Special Considerations 5

2.3.4 Suspect Materials Presumed To Be Asbestos-Containing Materials without Laboratory Analysis 5

2.3.5 Inaccessible Areas 5

2.4 Conditions and Limitations 5

2.5 Abatement Conditions 6

2.6 Environmental Assessment Report Certification 6

SECTION 3: APPENDICES 7

Appendix A: Certifications, Licenses, and Accreditations 8

Appendix B Location of Positive Materials 9

Appendix C: Project Photographs 13

Appendix D: Laboratory Results and Chain of Custody 18

SECTION 1: EXECUTIVE SUMMARY

1.1 INTRODUCTION

An Asbestos Containing Building Materials (ACBM) Inspection was conducted between January 30, 2018 and July 20, 2018 at the Departamento de la Familia Building located at Avenida Barbosa in San Juan, PR. A screening inspection was performed between January and March 2018 and the information collected is included in this report. The asbestos containing building materials sampling was performed to identify material that contains asbestos fibers above allowable levels and to assist with the compliance of local, state and federal regulations.

1.2 SUMMARY OF PROPERTY EVALUATION

The project consisted of the evaluation of the interior and exterior of the aforementioned property. The evaluation found that asbestos fibers were present at the selective materials. For specific locations and additional details on the location of ACBM reference Sections 2 and 3. If suspected components and surfaces that were not previously evaluated are identified in the facilities they shall be considered as containing asbestos until the appropriate analysis is performed.

1.3 PROPERTY LOCATIONS OF BUILDING COMPONENTS WITH ASBESTOS

Table 1-1 summarizes the building components containing asbestos fibers. Details that identify positive asbestos findings within specific areas and on surfaces were provided in the Asbestos Sampling inspection report, Section 2. The quantification of positives materials presented in Table 1-1 is only an estimate. If an abatement of the materials will be conducted the Contractors shall estimate the amount of materials to be abated. If homogeneous materials that were not accounted for are identified in areas that areas not describe they shall be managed as asbestos containing material. Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos. The roof sealing material was not sampled for the reason that it was in intact condition and sampling could cause water intrusion, therefore it has to be considered as asbestos containing until proven otherwise.

Table 1-1: Summary of Building Components Containing Asbestos			
Floor	**Location (Area)**	**Component**	**Amount (Approx.)**
2nd Floor	2-3, 2-4, 2-5, 2-6, 2-7, 2-8	Vinyl Tiles 12x12 & Associated Mastic	1,985 ft^2
	2-15, 2-16, 2-17		5,640 ft^2
	2-23, 2-24, No Access		930 ft^2
	2-25, 2-26, 2-27, 2-28, 2-29, 2-30		1,650 ft^2
	2-33, 2-33A, 2-34		1,081 ft^2
	2-32, 2-35, 2-36, 2-37, 2-38, 2-39		1,488 ft^2
	2-40		125 ft^2
	2-43, 2-44, 2-45, 2-46, 2-47, 2-48, 2-49, 2-50, 2-51		2,270 ft^2
3rd Floor	3-3, 3-4, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11		2,780 ft^2
	3-12, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18, 3-19, 3-19A		2,409 ft^2
	3-22, 3-31, 3-32		645 ft^2
	3-23, 3-24, 3-25, 3-26, 3-27, 3-28, 3-29, 3-30		2,588 ft^2
	3-33, 3-34, 3-35, 3-36, 3-37, 3-38, 3-39, 3-40, 3-41		2,516 ft^2
	3-42, 3-43, 3-44, 3-45, 3-46		1142 ft^2
	3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54		2,555 ft^2
	3-58, 3-59, 3-60, 3-61, 3-62, 3-63, 3-64, 3-65, 3-66, 3-67, 3-68, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74		3,495 ft^2
4th Floor	4-3, 4-4		647 ft^2
	4-7A, 4-8A, 4-9A, 4-10A, 4-11A, 4-12A		2120 ft^2
	4-7B, 4-8B, 4-9B, 4-10B, 4-11B, 4-12B, 4-13, 4-14, 4-15, 4-16, 4-17, 4-18, 4-19, 4-20		2,640 ft^2
	4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 4-36, 4-39, 4-42		2,928 ft^2
	4-37, 4-38, 4-41, 4-43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-49, 4-50, 4-51, 4-52, 4-53, 4-54		2,796 ft^2
	4-56, 4-57, 4-58, 4-59, 4-60, 4-61, 4-62, 4-63, 4-64, 4-65, 4-66, 4-67		3,500 ft^2
	4-71, 4-72, 4-73, 4-74, 4-75		3,534 ft^2
		Total Area =	51,464 ft^2

Notes:
1. Most of the areas are covered with carpets, in selective areas the floor tiles are covered with other type of floor covering.
2. Asbestos containing materials may also be present in floor areas covered with ceramic floor tiles.
3. The roof sealing material was not sampled for the reason that it was in intact condition and sampling could cause water intrusion, therefore it has to be considered as asbestos containing until proven otherwise.

SECTION 2: ASBESTOS CONTAINING BUILDING MATERIALS INSPECTION REPORT

2.1 OVERVIEW OF THE EVALUATION

This ACBM inspection is an evaluation to identify the location of material containing asbestos that exist within. Our scope of work services for this project consisted of the following tasks.

- A walk-through and observation of the site was performed.
- Bulk sampling of Suspected ACBM within the structure.
- Polarized Light Microscopy (PLM) Analysis of bulk samples.
- Hazard Risk Assessment and Evaluation.
- Final Inspection Report.

Throughout the inspection of the following suspected ACBM were observed and sampled:

- A/C Duct Black Mastic
- Baseboard Adhesive
- Carpet Adhesive
- Ceiling Fire Proofing Material
- Ceiling Tile
- Drywall Panel
- Floor Tile & Associated Mastics
- Joint Compound
- Linoleum Floor Coverings
- Rigid Ceiling Tile
- TSI Pipelines & Elbows with Black Mastic
- Under Sink Mastic
- Vinyl Tiles & Associate Mastic
- White Exhaust Duct Covering

The sampling was conducted by Puerto Rico EQB and United States Environmental Protection Agency (USEPA) accredited Inspectors qualified by experience, education and training in the recognition of potential ACBM and approved bulk sampling techniques. Some areas may not have been directly accessible due to the physical hazards encountered within. In these areas assumptions based on findings in other areas were made whenever possible. These assumptions are duly noted as such in this report.

The inspection was performed in accordance with Environmental Protection Agency recommended procedures found in EPA-450/2-78-014 (Parts I and II), EPA 560/5-85-024, and 40 CFR 763. These procedures call for the visual inspection of the building for suspect friable material and collection and analysis of representative samples of suspect material.

2.2 SAMPLING PROCEDURE AND RESULTS PRESENTATION

The bulk sampling procedures utilized for the collection of the ACBM, required the establishment of homogeneous sampling areas. A homogeneous sampling area is defined as an area of friable or non-friable material of similar type that appears to be applied or constructed during the same time period.

Samples collected from these predetermined homogeneous sampling areas were labeled and transported for analysis. Sample locations were identified by their current use or functional space name. Each type of asbestos displays a unique property when subject to PLM. Properties are unique to crystalline asbestos form and; therefore, can be used to identify the type of asbestos mineral as chrysotile, amosite, crocidolite, anthophylite, tremolite and actinolite.

Percentage of each asbestos mineral type is determined by visual estimation, by mixing the sample thoroughly to provide a more accurate percentage. Any material containing over one percentage (>1%) by weight of any type of asbestos mineral forms is considered by the USEPA to be asbestos containing material; and if disturbed, it must be handled according to specific State and Federal Regulations.

Two hundred twenty three (223) samples of suspected materials were collected. It is our opinion that an acceptable minimum number of critical areas were sampled in keeping with the homogeneous nature of much of the material that was observed. Non-destructive sampling techniques were used. If they exist, walls, ceilings, columns and other inaccessible areas were not broken into. It should be noted that these inaccessible areas may contain ACBM which was not observed during the inspection. Any future construction or renovation should anticipate the presence of these materials.

The samples were received and analyzed by Analytical Environmental Services, Inc. in Atlanta GA (Certified Proficient by the National Institute of Science and Technology NVLAP program for bulk sample asbestos analysis; Laboratory Id 102082-0). The method of analysis was polarized light microscopy with dispersion staining, as recommended by the US EPA. This survey focused on the building materials, which are present throughout the interior and exterior of the building structure.

2.3 FINDINGS AND RECOMMENDATIONS

2.3.1 INTRODUCTION

This section describes the asbestos containing building materials (ACBM), which were observed in the inspection. Please note that the recommendations given are always the minimum action, which in our professional judgment should be taken.

There was one type of Asbestos Containing Building Materials found within the evaluated structure:

- Cream Vinyl Tile & Associated Mastic

If these materials are to be removed they should be managed and disposed by a licensed asbestos contractor and disposed of as contaminated waste in as approved asbestos landfill site.

2.3.2 SPECIFIC FINDINGS

The following ACBM were found to contain more than one percent (1%) of asbestos by weight and are listed according to their homogeneous area:

1. **Vinyl Tiles**: 17266-43, 17266-45, 17266-46, 17266-51, 17266-61, 17266-66, 17266-72, 17266-77, 17266-79, 17266-86, 17266-88, 17266-93, 17266-101, 17266-102, 17266-103, 17266-108, 17266-109, 17266-114, 17266-116, 17266-121, 17266-124, 17266-126, 17266-128, 17266-133, 17266-139, 17266-143.

   These materials are in a non-friable condition and the analytical result range was between 2% & 3% chrysotile asbestos. In no accessible areas these material were identified as containing asbestos

2.3.3 HOMOGENEOUS AREAS WITH SPECIAL CONSIDERATIONS

NONE

2.3.4 SUSPECT MATERIALS PRESUMED TO BE ASBESTOS-CONTAINING MATERIALS WITHOUT LABORATORY ANALYSIS

- Vinyl Floor Tiles & Associated Mastic
  - Suspected vinyl tiles and associated mastics located in areas not accessed were assumed as containing asbestos (floor areas covered with ceramic floor tiles).

- Roofing Material
  - The roof sealing material was not sampled for the reason that it was in intact condition and sampling could cause water intrusion, therefore it has to be considered as asbestos containing until proven otherwise.

2.3.5 INACCESSIBLE AREAS

Floor	Location (Area)
1st Floor	1-37, 1-38, 1-39, 1-40, 1-65
2nd Floor	2-23A, 2-47, 2-48, 2-49, 2-54
3rd Floor	3-33, 3-36, 3-39, 3-41, 3-43, 3-49, 3-50, 3-51, 3-52, 3-53, 3-58, 3-66, 3-67, 3-68, 3-69
4th Floor	4-7, 4-50, 4-56, 4-58, 4-72, 4-73, 4-75, 4-75
5th Floor	5-33, 5-34, 5-37, 5-73, 5-79,5-80
6th Floor	6-3, 6-4, 6-6, 6-9, 6-10, 6-12, 6-15, 6-16, 6-19

2.4 CONDITIONS AND LIMITATIONS—DISCLAIMER

Zimmetry Environmental Management Corp. has performed this asbestos containing building materials inspection in a thorough and professional manner consistent with commonly accepted industry standards. The Preparer cannot guarantee and does not warrant that this evaluation has identified all adverse environmental factors and/or conditions affecting this property on the date of the evaluation. If suspected materials are identified they shall be managed as containing asbestos until the appropriated laboratory analysis is performed. The quantification of positives materials presented in the table 1-1 is only an estimate. If an abatement of the materials will be conducted the Contractors shall estimate the amount of the materials to be abated.

The results reported and conclusions reached by the Preparer are solely for the benefit of the Owner and occupants. The results and opinions in this report, based solely on the conditions found at the property on the date of the evaluation, are valid only on that date. The Preparer assumes no obligation to advise the client of any changes in any real or potential asbestos hazards at this structure beyond the date of the property evaluation. The roof sealing material was not sampled for the reason that it was in intact condition and sampling could cause water intrusion, therefore it has to be considered as asbestos containing until proven otherwise.

2.5 ABATEMENT CONDITIONS

The US Environmental Protection Agency rules concerning the application, removal, and disposal of Asbestos Containing Building Materials (ACBM) were issued under the asbestos NESHAP (U.S. EPA National Emission Standards of Hazardous Air Pollutants, 40 CFR 61 Subpart M, October 30, 1987). The asbestos **N.E.S.H.A.P.** regulation governs asbestos demolition and renovation projects in all facilities. The NESHAP rule usually requires owners or operators to have all friable ACBM removed before a building is demolished, and may require its removal before a renovation. The Environmental Quality Board (E.Q.B.) of Puerto Rico requires inspecting the presence of Asbestos Containing Materials prior to buildings demolitions.

If the identified materials are to removed, they should be managed following the work practices and procedures for the removal and disposal of asbestos containing materials by a licensed asbestos contractor and disposed of as contaminated waste in as approved asbestos landfill site. The Contractor shall comply with all the PR Environmental Quality Board requirements. The Contractor has to submit to the EQB the abatement work plan for its approval. The asbestos abatement is classified Class II for the miscellaneous materials by OSHA, which includes the abatement, packing and storage of asbestos. The abatement has to be performed without damaging any structure or adjacent area and protecting the safety and health of the employees and the general public.

2.6 ENVIRONMENTAL ASSESSMENT REPORT CERTIFICATION

Zimmetry Environmental Management Corp. has performed this asbestos containing building materials inspection in a thorough and professional manner consistent with commonly accepted industry standards. The ACBM inspection was performed between January 30, 2018 and July 20, 2018 by Ramón Rosado, ASB-1017-0506, qualified by experience, education and training in the recognition of asbestos containing materials and approved sampling techniques.



Harry Peña Ruiz, MSEM
Environmental Consultant

SECTION 3: APPENDICES

Appendix A: Certifications, Licenses and Accreditations

Appendix B: Location of Positive Materials

Appendix C: Project Photographs

Appendix D: Laboratory Results & Chain of Custody

APPENDIX A: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS



TARJETA DE REGISTRO
LA REMOCION PARA DE ASBESTO

Esta tarjeta autoriza a:

Ramón Rosado Izquierdo

Inspector

A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado, ni un representante de la

ASB-1017-0506-SI
Número de Registro

12-oct-2018
Fecha de vencimiento

Firma Autorizada
Junta de Calidad Ambiental

APPENDIX B LOCATION OF POSITIVE MATERIALS



Asbestos Legend:

Vinyl Tiles & Associated Mastic

Zimmetry Environmental
Environmental Building Inspectors
Indoor Environmental Quality / Mold Assessments, Asbestos, Lead Based Paint Consulting - Phone (787) 376-9010 - Fax (787) 995-0005

Project: Departamento de la Familia

Location: San Juan, Puerto Rico | Project No : ZEM - 17266

Drawing : -.DWG

B

A

C

3-29
3-28
3-27
3-26
3-25
3-24
3-23
3-22
3-21
3-32
3-33 NO ACCESS
3-34
3-35
3-36 NO ACCESS
3-37
3-42
3-43 NO ACCESS
3-48
3-49 NO ACCESS
3-50 NO ACCESS
3-51 NO ACCESS
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3-41 NO ACCESS
3-39 NO ACCESS
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3-5
3-11
3-4
3-3
3-2
3-1
3-76

D

Asbestos Legend:

Vinyl Tiles & Associated Mastic

Zimmetry Environmental
Environmental Building Inspectors
Indoor Environmental Quality / Mold Assessments, Asbestos, Lead Based Paint Consulting - Phone (787) 376-9010 - Fax (787) 995-0005

Project: Departamento de la Familia

Location: San Juan, Puerto Rico | Project No : ZEM - 17266

Drawing : -.DWG



Asbestos Legend:

Vinyl Tiles & Associated Mastic

Zimmetry Environmental
Environmental Building Inspectors
Indoor Environmental Quality / Mold Assessments, Asbestos, Lead Based Paint Consulting - Phone (787) 376-9010 - Fax (787) 995-0005

Project: Departamento de la Familia	
Location: San Juan, Puerto Rico	Project No : ZEM - 17266
Drawing : -.DWG	

APPENDIX C: PHOTOGRAPHS



2nd Floor
Asbestos containing vinyl tiles & associate mastic



2nd Floor
Asbestos containing vinyl tiles & associate mastic



2nd Floor
Asbestos containing vinyl tiles & associate mastic



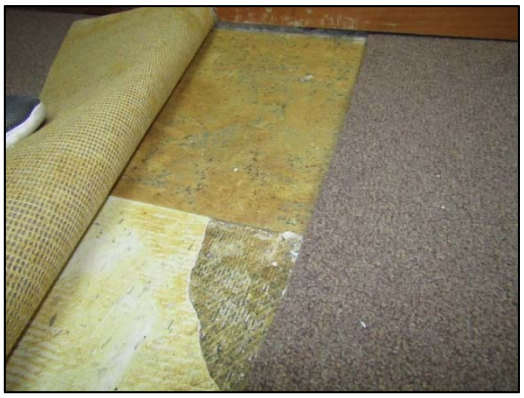
2nd Floor
Asbestos containing vinyl tiles & associate mastic

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos

APPENDIX C: PHOTOGRAPHS



2nd Floor
Asbestos containing vinyl tiles & associate mastic



2nd Floor
Asbestos containing vinyl tiles & associate mastic



3rd Floor
Asbestos containing vinyl tiles & associate mastic



3rd Floor
Asbestos containing vinyl tiles & associate mastic

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos

APPENDIX C: PHOTOGRAPHS



3rd Floor
Asbestos containing vinyl tiles & associate mastic



3rd Floor
Asbestos containing vinyl tiles & associate mastic



3rd Floor
Asbestos containing vinyl tiles & associate mastic



3rd Floor
Asbestos containing vinyl tiles & associate mastic

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos

APPENDIX C: PHOTOGRAPHS



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos

APPENDIX C: PHOTOGRAPHS



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic



4th Floor
Asbestos containing vinyl tiles & associate mastic

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with asbestos

APPENDIX D: LABORATORY RESULTS AND CHAIN OF CUSTODY

ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com 1802306

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 1/31/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-01	Drywall Panel (ceiling)	Area 1-1	PLM	Regular		
2	17266-02	Ceiling Tile (2x4)	Area 1-2	PLM	Regular		
3	17266-03	Drywall Panel	Area 1-10	PLM	Regular		
4	17266-04	Ceiling Tile (2x4)	Area 1-10	PLM	Regular		
5	17266-05	Joint Compound	Area 1-10	PLM	Regular		
6	17266-06	Baseboard Adhesive	Area 1-10	PLM	Regular		
7	17266-07	Gray Under Sink Mastic	Area 1-27	PLM	Regular		
8	17266-08	Gray Vinyl Tile (18x18)	Area 1-28	PLM	Regular		
9	17266-09	Cram Vinyl Tile (18x18)	Area 1-4	PLM	Regular		
10	17266-10	Parquet Vinyl Tile	Area 1-8	PLM	Regular		
11	17266-11	Gray Under Sink Mastic	Area 1-10	PLM	Regular		
12	17266-12	Parquet Vinyl Tile	Area 1-23	PLM	Regular		
13	17266-13	Joint Compound	Area 1-35	PLM	Regular		
14	17266-14	Drywall Panel	Area 1-35	PLM	Regular		
15	17266-15	Ceiling Tile (2x4)	Area 1-35	PLM	Regular		
16	17266-16	Parquet Vinyl Tile	Area 1-31	PLM	Regular		
17	17266-17	Baseboard Adhesive	Area 1-35	PLM	Regular		
18	17266-18	White Exhaust Duct Covering	Area 1-42	PLM	Regular		
19	17266-19	White Exhaust Duct Covering	Area 1-42	PLM	Regular		
20	17266-20	Rigid Ceiling Tile (2x4)	Area 1-42	PLM	Regular		

Relinquished by: Harry Peña Date/Time: 2/1/2017 16:00
Received by: Date/Time:

FOR LAB USE ONLY

Lab Recipient: Monique E. A. Date/Time: 2/5/18 8:50am ~~10:~~ mm 2/5 Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802306**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-01 Layer: 1	1802306-001A	Drywall Panel (ceiling)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-01 Layer: 2	1802306-001A	Drywall Panel (ceiling)	ND	ND	ND	ND	ND	ND	
17266-01 Layer: 3	1802306-001A	Drywall Panel (ceiling)	ND	ND	ND	ND	ND	ND	
17266-02 Layer: 1	1802306-002A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-03 Layer: 1	1802306-003A	Drywall Panel	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-03 Layer: 2	1802306-003A	Drywall Panel	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc .

Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802306**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-04 Layer: 1	1802306-004A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-05 Layer: 1	1802306-005A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-05 Layer: 2	1802306-005A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-06 Layer: 1	1802306-006A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-06 Layer: 2	1802306-006A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-07 Layer: 1	1802306-007A	Gray Under Sink Mastic	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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12-Feb-18

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-08 Layer: 1	1802306-008A	Gray Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl
17266-09 Layer: 1	1802306-009A	Cram Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl
17266-10 Layer: 1	1802306-010A	Parquet vinyl Tile	ND	ND	ND	ND	ND	ND	Vinyl
17266-11 Layer: 1	1802306-011A	Gray Under Sink Mastic	ND	ND	ND	ND	ND	ND	
17266-12 Layer: 1	1802306-012A	Parquet vinyl Tile	ND	ND	ND	ND	ND	ND	Vinyl
17266-13 Layer: 1	1802306-013A	Joint Compound	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802306**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-14 Layer: 1	1802306-014A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-14 Layer: 2	1802306-014A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-15 Layer: 1	1802306-015A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-16 Layer: 1	1802306-016A	Parquet vinyl Tile	ND	ND	ND	ND	ND	ND	Vinyl
17266-16 Layer: 2	1802306-016A	Parquet vinyl Tile	ND	ND	ND	ND	ND	ND	Leveling compound
17266-17 Layer: 1	1802306-017A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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12-Feb-18

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-17 Layer: 2	1802306-017A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-18 Layer: 1	1802306-018A	White Exhaust Duct Covering	ND	ND	ND	ND	ND	ND	
17266-18 Layer: 2	1802306-018A	White Exhaust Duct Covering	ND	ND	ND	ND	ND	ND	
17266-19 Layer: 1	1802306-019A	White Exhaust Duct Covering	ND	ND	ND	ND	ND	ND	
17266-19 Layer: 2	1802306-019A	White Exhaust Duct Covering	ND	ND	ND	ND	ND	ND	
17266-20 Layer: 1	1802306-020A	Rigid Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
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1802304

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 1/31/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-21	Black A/C Duct Mastic	Area 1-42	PLM	Regular		
2	17266-22	Rigid Ceiling Tile (2x4)	Area 1-42	PLM	Regular		
3	17266-23	Black A/C Duct Mastic	Area 1-40	PLM	Regular		
4	17266-24	Cram Vinyl Tile (18x18)	Area 1-35	PLM	Regular		
5	17266-25	Cram Vinyl Tile (18x18)	Area 1-47	PLM	Regular		
6	17266-26	Dark Blue Linoleum	Area 1-49	PLM	Regular		
7	17266-27	Aqua Vinyl Tile (18x18)	Area 1-48	PLM	Regular		
8	17266-28	Green Linoleum	Area 1-48	PLM	Regular		
9	17266-29	Peach Vinyl Tile (12x12)	Area 1-50	PLM	Regular		
10	17266-30	Peach Vinyl Tile (12x12)	Area 1-50	PLM	Regular		
11	17266-31	Dark Blue Linoleum	Area 1-48	PLM	Regular		
12	17266-32	Green Linoleum	Area 1-48	PLM	Regular		
13	17266-33	Aqua Vinyl Tile (18x18)	Area 1-48	PLM	Regular		
14	17266-34	Blue Linoleum	Area 1-48	PLM	Regular		
15	17266-35	Blue Linoleum	Area 1-48	PLM	Regular		
16	17266-36	Ceiling Tile (2x4)	Area 1-66	PLM	Regular		
17	17266-37	Floor Tile (18x24)	Area 1-66	PLM	Regular		
18	17266-38	Floor Tile (18x24)	Area 1-66	PLM	Regular		
19	17266-39	Drywall Panel	Area 1-66	PLM	Regular		
20	17266-40	Joint Compound	Area 1-66	PLM	Regular		

Relinquished by: Harry Peña
Date/Time: 2/1/2017 16:00
Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: MONIQUE A. Date/Time: 2/5 10:37am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802304**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-21 Layer: 1	1802304-001A	Black A/C Duct mastic	ND	ND	ND	ND	ND	ND	
17266-21 Layer: 2	1802304-001A	Black A/C Duct mastic	ND	ND	ND	ND	ND	ND	
17266-22 Layer: 1	1802304-002A	Rigid Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-23 Layer: 1	1802304-003A	Black A/C Duct Mastic	ND	ND	ND	ND	ND	ND	
17266-23 Layer: 2	1802304-003A	Black A/C Duct Mastic	ND	ND	ND	ND	ND	ND	
17266-24 Layer: 1	1802304-004A	Cram Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802304**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-24 Layer: 2	1802304-004A	Cram Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Glue
17266-25 Layer: 1	1802304-005A	Cram Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl
17266-25 Layer: 2	1802304-005A	Cram Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Glue
17266-26 Layer: 1	1802304-006A	Dark Blue Linoleum	ND	ND	ND	ND	ND	ND	Vinyl
17266-26 Layer: 2	1802304-006A	Dark Blue Linoleum	ND	ND	ND	ND	ND	ND	Glue
17266-26 Layer: 3	1802304-006A	Dark Blue Linoleum	ND	ND	ND	ND	ND	ND	Leveling compound

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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QC Analyst: Yelena Khanina

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Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802304**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-27 Layer: 1	1802304-007A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl
17266-27 Layer: 2	1802304-007A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Glue
17266-27 Layer: 3	1802304-007A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Leveling compound
17266-28 Layer: 1	1802304-008A	Green Linoleum	ND	ND	ND	ND	ND	ND	Vinyl
17266-28 Layer: 2	1802304-008A	Green Linoleum	ND	ND	ND	ND	ND	ND	Glue
17266-28 Layer: 3	1802304-008A	Green Linoleum	ND	ND	ND	ND	ND	ND	Leveling compound

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Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802304**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-29 Layer: 1	1802304-009A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-30 Layer: 1	1802304-010A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-31 Layer: 1	1802304-011A	Dark Blue Linoleum	ND	ND	ND	ND	ND	ND	Vinyl
17266-31 Layer: 2	1802304-011A	Dark Blue Linoleum	ND	ND	ND	ND	ND	ND	Leveling compound
17266-32 Layer: 1	1802304-012A	Green Linoleum	ND	ND	ND	ND	ND	ND	Vinyl
17266-33 Layer: 1	1802304-013A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Vinyl

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-33 Layer: 2	1802304-013A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Glue
17266-33 Layer: 3	1802304-013A	Aqua Vinyl Tile (18x18)	ND	ND	ND	ND	ND	ND	Leveling compound
17266-34 Layer: 1	1802304-014A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Vinyl
17266-34 Layer: 2	1802304-014A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Glue
17266-34 Layer: 3	1802304-014A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Leveling compound
17266-35 Layer: 1	1802304-015A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Vinyl

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-35 Layer: 2	1802304-015A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Glue
17266-35 Layer: 3	1802304-015A	Blue Linoleum	ND	ND	ND	ND	ND	ND	Leveling compound
17266-36 Layer: 1	1802304-016A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-37 Layer: 1	1802304-017A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Vinyl
17266-37 Layer: 2	1802304-017A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Glue
17266-37 Layer: 3	1802304-017A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Leveling compound

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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12-Feb-18

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-38 Layer: 1	1802304-018A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Vinyl
17266-38 Layer: 2	1802304-018A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Glue
17266-38 Layer: 3	1802304-018A	Floor Tile (18x24)	ND	ND	ND	ND	ND	ND	Leveling compound
17266-39 Layer: 1	1802304-019A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-39 Layer: 2	1802304-019A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-40 Layer: 1	1802304-020A	Joint Compound	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802304**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-40 Layer: 2	1802304-020A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-40 Layer: 3	1802304-020A	Joint Compound	ND	ND	ND	ND	ND	ND	

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1802305

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 1/31/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-41	Baseboard Adhesive	Area 1-73	PLM	Regular		
2	17266-42	Ceiling Tile (2x4)	Area 2-3	PLM	Regular		
3	17266-43	Cream Vinyl Tile (12x12)	Area 2-3	PLM	Regular		
4	17266-44	A/C Duct Black Mastic	Area 2-3	PLM	Regular		
5	17266-45	Cream Vinyl Tile (12x12)	Area 2-4	PLM	Regular		
6	17266-46	Cream Vinyl Tile (12x12)	Area 2-15	PLM	Regular		
7	17266-47	Drywall Panel	Area 2-15	PLM	Regular		
8	17266-48	Joint Compound	Area 2-15	PLM	Regular		
9	17266-49	A/C Duct Black Mastic	Area 2-15	PLM	Regular		
10	17266-50	Ceiling Tile (2x4)	Area 2-15	PLM	Regular		
11	17266-51	Cream Vinyl Tile (12x12)	Area 2-17	PLM	Regular		
12	17266-52	Peach Vinyl Tile (12x12)	Area 2-22	PLM	Regular	Upper Layer	
13	17266-53	Cream Vinyl Tile (12x12)	Area 2-22	PLM	Regular	Lower Layer	
14	17266-54	Peach Vinyl Tile (12x12)	Area 2-22	PLM	Regular	Upper Layer	
15	17266-55	Cream Vinyl Tile (12x12)	Area 2-22	PLM	Regular	Lower Layer	
16	17266-56	Cream Vinyl Tile (12x12)	Area 2-23	PLM	Regular		
17	17266-57	Drywall Panel	Area 2-23	PLM	Regular		
18	17266-58	Drywall Panel	Area 2-26	PLM	Regular		
19	17266-59	Joint Compound	Area 2-26	PLM	Regular		
20	17266-60	A/C Duct Black Mastic	Area 2-26	PLM	Regular		

Relinquished by: Harry Peña HP — Date/Time: 2/1/2017 16:00
Received by: _____ Date/Time: _____

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Lab Recipient: MONIQUE A Date/Time: 2/5/18 8:50am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-41 Layer: 1	1802305-001A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-41 Layer: 2	1802305-001A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-42 Layer: 1	1802305-002A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-43 Layer: 1	1802305-003A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-43 Layer: 2	1802305-003A	Cream vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-43 Layer: 3	1802305-003A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Black Mastic

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-44 Layer: 1	1802305-004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-44 Layer: 2	1802305-004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-45 Layer: 1	1802305-005A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-45 Layer: 2	1802305-005A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-45 Layer: 3	1802305-005A	Cream vinyl tile (12x12)	3	ND	ND	ND	ND	ND	Black Mastic
17266-46 Layer: 1	1802305-006A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

NVLAP Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-46 Layer: 2	1802305-006A	Cream vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-46 Layer: 3	1802305-006A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-47 Layer: 1	1802305-007A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-47 Layer: 2	1802305-007A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-47 Layer: 3	1802305-007A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-48 Layer: 1	1802305-008A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-49 Layer: 1	1802305-009A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-49 Layer: 2	1802305-009A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-49 Layer: 3	1802305-009A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-50 Layer: 1	1802305-010A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-51 Layer: 1	1802305-011A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-51 Layer: 2	1802305-011A	Cream vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-51 Layer: 3	1802305-011A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-51 Layer: 4	1802305-011A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Leveling compound
17266-52 Layer: 1	1802305-012A	Peach vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-53 Layer: 1	1802305-013A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-53 Layer: 2	1802305-013A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-54 Layer: 1	1802305-014A	Peach vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile

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Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-55 Layer: 1	1802305-015A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-55 Layer: 2	1802305-015A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-56 Layer: 1	1802305-016A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-56 Layer: 2	1802305-016A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-56 Layer: 3	1802305-016A	Cream vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-57 Layer: 1	1802305-017A	Drywall Panel	ND	ND	ND	ND	ND	ND	Paint included as binder

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12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-57 Layer: 2	1802305-017A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-58 Layer: 1	1802305-018A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-58 Layer: 2	1802305-018A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-59 Layer: 1	1802305-019A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-59 Layer: 2	1802305-019A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-60 Layer: 1	1802305-020A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802305**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-60 Layer: 2	1802305-020A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
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1802303

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Contact: Harry Peña
Project Location: San Juan, PR
Samplers Name: Ramón Rosado
Project Number: ZEM-17266
Sampling Date: 1/31/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-61	Cream Vinyl Tile (12x12)	Area 2-26	PLM	Regular		
2	17266-62	Drywall Panel	Area 2-33	PLM	Regular		
3	17266-63	Joint Compound	Area 2-33	PLM	Regular		
4	17266-64	Ceiling Tile (2x4)	Area 2-33	PLM	Regular		
5	17266-65	A/C Duct Black Mastic	Area 2-33	PLM	Regular		
6	17266-66	Cream Vinyl Tile (12x12)	Area 2-33	PLM	Regular		
7	17266-67	A/C Duct Black Mastic	Area 2-42	PLM	Regular		
8	17266-68	Drywall Panel	Area 2-43	PLM	Regular		
9	17266-69	Joint Compound	Area 2-43	PLM	Regular		
10	17266-70	A/C Duct Black Mastic	Area 2-43	PLM	Regular		
11	17266-71	Ceiling Tile (2x4)	Area 2-43	PLM	Regular		
12	17266-72	Cream Vinyl Tile (12x12)	Area 2-44	PLM	Regular		
13							
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Relinquished by: Harry Peña
Date/Time: 2/1/2017 16:00
Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: MONIQUE A. Date/Time: 2/5 8:50am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802303**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-61 Layer: 1	1802303-001A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-61 Layer: 2	1802303-001A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-61 Layer: 3	1802303-001A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-62 Layer: 1	1802303-002A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-62 Layer: 2	1802303-002A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-63 Layer: 1	1802303-003A	Joint Compound	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802303**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-63 Layer: 2	1802303-003A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-64 Layer: 1	1802303-004A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-65 Layer: 1	1802303-005A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-65 Layer: 2	1802303-005A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-66 Layer: 1	1802303-006A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-66 Layer: 2	1802303-006A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile

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12-Feb-18

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Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-66 Layer: 3	1802303-006A	Cream Vinyl tile (12x12)	3	ND	ND	ND	ND	ND	Black Mastic
17266-67 Layer: 1	1802303-007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-67 Layer: 2	1802303-007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-67 Layer: 3	1802303-007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-68 Layer: 1	1802303-008A	Drywall Panel	ND	ND	ND	ND	ND	ND	
17266-68 Layer: 2	1802303-008A	Drywall Panel	ND	ND	ND	ND	ND	ND	

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For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802303**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-69 Layer: 1	1802303-009A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-70 Layer: 1	1802303-010A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-70 Layer: 2	1802303-010A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-71 Layer: 1	1802303-011A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-72 Layer: 1	1802303-012A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-72 Layer: 2	1802303-012A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

12-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802303**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-72 Layer: 3	1802303-012A	Cream Vinyl tile (12x12)	5	ND	ND	ND	ND	ND	Black Mastic

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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QC Analyst: Yelena Khanina

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Phone (787)995-0005
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1802A25

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/6/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-73	Drywall	Area 3-2	PLM	Regular		
2	17266-74	Joint Compound	Area 3-2	PLM	Regular		
3	17266-75	A/C Duct Black Mastic	Area 3-3	PLM	Regular		
4	17266-76	Ceiling Tile (2x4)	Area 3-3	PLM	Regular		
5	17266-77	Cream Vinyl Tile (12x12)	Area 3-4	PLM	Regular		
6	17266-78	Drywall	Area 3-7	PLM	Regular		
7	17266-79	Cream Vinyl Tile (12x12)	Area 3-7	PLM	Regular		
8	17266-80	Joint Compound	Area 3-7	PLM	Regular		
9	17266-81	A/C Duct Black Mastic	Area 3-20	PLM	Regular		
10	17266-82	Drywall	Area 3-14	PLM	Regular		
11	17266-83	Joint Compound	Area 3-14	PLM	Regular		
12	17266-84	Ceiling Tile (2x4)	Area 3-14	PLM	Regular		
13	17266-85	A/C Duct Black Mastic	Area 3-14	PLM	Regular		
14	17266-86	Cream Vinyl Tile (12x12)	Area 3-14	PLM	Regular		
15	17266-87	White Vinyl Tile (12x12)	Area 3-23	PLM	Regular		
16	17266-88	Cream Vinyl Tile (12x12)	Area 3-30	PLM	Regular		
17	17266-89	Peach Vinyl Tile (12x12)	Area 3-25	PLM	Regular		
18	17266-90	Baseboard Adhesive	Area 3-25	PLM	Regular		
19	17266-91	Cream Vinyl Tile (12x12)	Area 3-30	PLM	Regular		
20	17266-92	Joint Compound	Area 3-38	PLM	Regular		

Relinquished by: Harry Peña
Date/Time: 2/8/2017 16:00
Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: MONIQUE A
Date/Time: 2/12 9:10am
Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-73 Layer: 1	1802A25 -001A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-73 Layer: 2	1802A25 -001A	Drywall	ND	ND	ND	ND	ND	ND	
17266-73 Layer: 3	1802A25 -001A	Drywall	ND	ND	ND	ND	ND	ND	
17266-74 Layer: 1	1802A25 -002A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-75 Layer: 1	1802A25 -003A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-75 Layer: 2	1802A25 -003A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-75 Layer: 3	1802A25 -003A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-76 Layer: 1	1802A25 -004A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-77 Layer: 1	1802A25 -005A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-77 Layer: 2	1802A25 -005A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-77 Layer: 3	1802A25 -005A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-78 Layer: 1	1802A25 -006A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-78 Layer: 2	1802A25 -006A	Drywall	ND	ND	ND	ND	ND	ND	
17266-79 Layer: 1	1802A25 -007A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-79 Layer: 2	1802A25 -007A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-79 Layer: 3	1802A25 -007A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-80 Layer: 1	1802A25 -008A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder. Iron oxide included as binder
17266-81 Layer: 1	1802A25 -009A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-81 Layer: 2	1802A25 -009A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-82 Layer: 1	1802A25 -010A	Drywall	ND	ND	ND	ND	ND	ND	
17266-82 Layer: 2	1802A25 -010A	Drywall	ND	ND	ND	ND	ND	ND	
17266-82 Layer: 3	1802A25 -010A	Drywall	ND	ND	ND	ND	ND	ND	
17266-83 Layer: 1	1802A25 -011A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-83 Layer: 2	1802A25 -011A	Joint Compound	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-84 Layer: 1	1802A25 -012A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-85 Layer: 1	1802A25 -013A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-85 Layer: 2	1802A25 -013A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-85 Layer: 3	1802A25 -013A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-86 Layer: 1	1802A25 -014A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-86 Layer: 2	1802A25 -014A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-87 Layer: 1	1802A25 -015A	White Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-87 Layer: 2	1802A25 -015A	White Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-88 Layer: 1	1802A25 -016A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-88 Layer: 2	1802A25 -016A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-88 Layer: 3	1802A25 -016A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-89 Layer: 1	1802A25 -017A	Peach Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile

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Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-89 Layer: 2	1802A25 -017A	Peach Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-90 Layer: 1	1802A25 -018A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-90 Layer: 2	1802A25 -018A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	
17266-90 Layer: 3	1802A25 -018A	Baseboard Adhesive	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-91 Layer: 1	1802A25 -019A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Gray floor tile
17266-91 Layer: 2	1802A25 -019A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A25**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-92 Layer: 1	1802A25 -020A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com

1802A246

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/6/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-93	Cream Vinyl Tile (12x12)	Area 3-38	PLM	Regular		
2	17266-94	Ceiling Tile (2x4)	Area 3-38	PLM	Regular		
3	17266-95	Drywall	Area 3-38	PLM	Regular		
4	17266-96	A/C Duct Black Mastic	Area 3-38	PLM	Regular		
5	17266-97	Ceiling Tile (2x4)	Area 3-54	PLM	Regular		
6	17266-98	Drywall	Area 3-54	PLM	Regular		
7	17266-99	Joint Compound	Area 3-54	PLM	Regular		
8	17266-100	A/C Duct Black Mastic	Area 3-54	PLM	Regular		
9	17266-101	Cream Vinyl Tile (12x12)	Area 3-54	PLM	Regular		
10	17266-102	Cream Vinyl Tile (12x12)	Area 3-54	PLM	Regular		
11	17266-103	Cream Vinyl Tile (12x12)	Area 3-71	PLM	Regular		
12	17266-104	Ceiling Tile (2x4)	Area 3-63	PLM	Regular		
13	17266-105	Drywall	Area 3-63	PLM	Regular		
14	17266-106	Joint Compound	Area 3-63	PLM	Regular		
15	17266-107	A/C Duct Black Mastic	Area 3-63	PLM	Regular		
16	17266-108	Cream Vinyl Tile (12x12)	Area 3-63	PLM	Regular		
17	17266-109	Cream Vinyl Tile (12x12)	Area 3-38	PLM	Regular		
18							
19							
20							

Relinquished by: Harry Peña Date/Time: 2/8/2017 16:00
Received by: Date/Time:

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Lab Recipient: Monique A Date/Time: 2/12 9:10am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A46**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-93 Layer: 1	1802A46 -001A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-93 Layer: 2	1802A46 -001A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-94 Layer: 1	1802A46 -002A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-95 Layer: 1	1802A46 -003A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-95 Layer: 2	1802A46 -003A	Drywall	ND	ND	ND	ND	ND	ND	
17266-96 Layer: 1	1802A46 -004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

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Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-96 Layer: 2	1802A46 -004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-96 Layer: 3	1802A46 -004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-97 Layer: 1	1802A46 -005A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-98 Layer: 1	1802A46 -006A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-98 Layer: 2	1802A46 -006A	Drywall	ND	ND	ND	ND	ND	ND	
17266-98 Layer: 3	1802A46 -006A	Drywall	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A46**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-99 Layer: 1	1802A46 -007A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-100 Layer: 1	1802A46 -008A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-100 Layer: 2	1802A46 -008A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-101 Layer: 1	1802A46 -009A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-101 Layer: 2	1802A46 -009A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-101 Layer: 3	1802A46 -009A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Leveling compound

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16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-102 Layer: 1	1802A46 -010A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-102 Layer: 2	1802A46 -010A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-103 Layer: 1	1802A46 -011A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-103 Layer: 2	1802A46 -011A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-104 Layer: 1	1802A46 -012A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-105 Layer: 1	1802A46 -013A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder

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16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-105 Layer: 2	1802A46 -013A	Drywall	ND	ND	ND	ND	ND	ND	
17266-106 Layer: 1	1802A46 -014A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-107 Layer: 1	1802A46 -015A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-107 Layer: 2	1802A46 -015A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-108 Layer: 1	1802A46 -016A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-108 Layer: 2	1802A46 -016A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Black Mastic

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-109 Layer: 1	1802A46 -017A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-109 Layer: 2	1802A46 -017A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com

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Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266

Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/6/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-110	Ceiling Tile (2x4)	Area 4-3	PLM	Regular		
2	17266-111	Drywall	Area 4-3	PLM	Regular		
3	17266-112	Joint Compound	Area 4-3	PLM	Regular		
4	17266-113	A/C Duct Black Mastic	Area 4-3	PLM	Regular		
5	17266-114	Cream Vinyl Tile (12x12)	Area 4-4	PLM	Regular		
6	17266-115	A/C Duct Black Mastic	Area 4-7	PLM	Regular		
7	17266-116	Cream Vinyl Tile (12x12)	Area 4-7	PLM	Regular		
8	17266-117	Ceiling Tile (2x4)	Area 4-9	PLM	Regular		
9	17266-118	Drywall	Area 4-9	PLM	Regular		
10	17266-119	Joint Compound	Area 4-9	PLM	Regular		
11	17266-120	A/C Duct Black Mastic	Area 4-19	PLM	Regular		
12	17266-121	Cream Vinyl Tile (12x12)	Area 4-19	PLM	Regular		
13	17266-122	Peach Vinyl Tile (12x12)	Area 4-10	PLM	Regular		
14	17266-123	Gray Under Sink Mastic	Area 4-10	PLM	Regular		
15	17266-124	Cream Vinyl Tile (12x12)	Area 4-12	PLM	Regular		
16	17266-125	Peach Vinyl Tile (12x12)	Area 4-28	PLM	Regular	Upper Layer	
17	17266-126	Cream Vinyl Tile (12x12)	Area 4-28	PLM	Regular	Lower Layer	
18	17266-127	Cream Vinyl Tile (12x12)	Area 4-29	PLM	Regular		
19	17266-128	Cream Vinyl Tile (12x12)	Area 4-41	PLM	Regular		
20	17266-129	A/C Duct Black Mastic	Area 4-41	PLM	Regular		

Relinquished by: Harry Peña Date/Time: 2/8/2017 16:00

Received by: _____ Date/Time: _____

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Lab Recipient: Monique A Date/Time: 2/12 9:10am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A60**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-110 Layer: 1	1802A60 -001A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-111 Layer: 1	1802A60 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-111 Layer: 2	1802A60 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-111 Layer: 3	1802A60 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-112 Layer: 1	1802A60 -003A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-113 Layer: 1	1802A60 -004A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-114 Layer: 1	1802A60 -005A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-114 Layer: 2	1802A60 -005A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-115 Layer: 1	1802A60 -006A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-115 Layer: 2	1802A60 -006A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-116 Layer: 1	1802A60 -007A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-116 Layer: 2	1802A60 -007A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-117 Layer: 1	1802A60 -008A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-118 Layer: 1	1802A60 -009A	Drywall	ND	ND	ND	ND	ND	ND	
17266-118 Layer: 2	1802A60 -009A	Drywall	ND	ND	ND	ND	ND	ND	
17266-119 Layer: 1	1802A60 -010A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-120 Layer: 1	1802A60 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-120 Layer: 2	1802A60 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-120 Layer: 3	1802A60 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-121 Layer: 1	1802A60 -012A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-121 Layer: 2	1802A60 -012A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-121 Layer: 3	1802A60 -012A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Black Mastic
17266-122 Layer: 1	1802A60 -013A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-122 Layer: 2	1802A60 -013A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-123 Layer: 1	1802A60 -014A	Gray under Sink Mastic	ND	ND	ND	ND	ND	ND	
17266-124 Layer: 1	1802A60 -015A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-124 Layer: 2	1802A60 -015A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Black Mastic
17266-125 Layer: 1	1802A60 -016A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-125 Layer: 2	1802A60 -016A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-126 Layer: 1	1802A60 -017A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A60**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-126 Layer: 2	1802A60 -017A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-126 Layer: 3	1802A60 -017A	Cream Vinyl Tile (12x12)	3	ND	ND	ND	ND	ND	Black Mastic
17266-127 Layer: 1	1802A60 -018A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Light gray floor tile
17266-127 Layer: 2	1802A60 -018A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-128 Layer: 1	1802A60 -019A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-128 Layer: 2	1802A60 -019A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Gray floor tile

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A60**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-128 Layer: 3	1802A60 -019A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Black Mastic
17266-129 Layer: 1	1802A60 -020A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-129 Layer: 2	1802A60 -020A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com

1822A62

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/6/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-130	Ceiling Tile (2x4)	Area 4-41	PLM	Regular		
2	17266-131	Drywall	Area 4-41	PLM	Regular		
3	17266-132	Joint Compound	Area 4-41	PLM	Regular		
4	17266-133	Cream Vinyl Tile (12x12)	Area 4-60	PLM	Regular		
5	17266-134	Leveling Compound	Area 4-60	PLM	Regular		
6	17266-135	Drywall	Area 4-62	PLM	Regular		
7	17266-136	Joint Compound	Area 4-62	PLM	Regular		
8	17266-137	A/C Duct Black Mastic	Area 4-62	PLM	Regular		
9	17266-138	Ceiling Tile (2x4)	Area 4-62	PLM	Regular		
10	17266-139	Cream Vinyl Tile (12x12)	Area 4-66	PLM	Regular		
11	17266-140	Leveling Compound	Area 4-66	PLM	Regular		
12	17266-141	White Vinyl Tile (12x12)	Area 4-59	PLM	Regular		
13	17266-142	Peach Vinyl Tile (12x12)	Area 4-59	PLM	Regular		
14	17266-143	Cream Vinyl Tile (12x12)	Area 4-59	PLM	Regular		
15							
16							
17							
18							
19							
20							

Relinquished by: Harry Peña
Date/Time: 2/8/2017 16:00
Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: Date/Time: Method of Shipment:

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A62**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-130 Layer: 1	1802A62 -001A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-131 Layer: 1	1802A62 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-131 Layer: 2	1802A62 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-132 Layer: 1	1802A62 -003A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-133 Layer: 1	1802A62 -004A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-133 Layer: 2	1802A62 -004A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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Microanalyst: Svetlana Arkhipov

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A62**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-134 Layer: 1	1802A62 -005A	Leveling Compound	ND	ND	ND	ND	ND	ND	
17266-135 Layer: 1	1802A62 -006A	Drywall	ND	ND	ND	ND	ND	ND	
17266-135 Layer: 2	1802A62 -006A	Drywall	ND	ND	ND	ND	ND	ND	
17266-135 Layer: 3	1802A62 -006A	Drywall	ND	ND	ND	ND	ND	ND	
17266-136 Layer: 1	1802A62 -007A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-136 Layer: 2	1802A62 -007A	Joint Compound	ND	ND	ND	ND	ND	ND	

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A62**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-137 Layer: 1	1802A62 -008A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-137 Layer: 2	1802A62 -008A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-138 Layer: 1	1802A62 -009A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-139 Layer: 1	1802A62 -010A	Cream Vinyl Tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-139 Layer: 2	1802A62 -010A	Cream Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-140 Layer: 1	1802A62 -011A	Leveling Compound	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A62**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-141 Layer: 1	1802A62 -012A	White Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-142 Layer: 1	1802A62 -013A	Peach Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-142 Layer: 2	1802A62 -013A	Peach Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-143 Layer: 1	1802A62 -014A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-143 Layer: 2	1802A62 -014A	Cream Vinyl tile (12x12)	2	ND	ND	ND	ND	ND	Floor tile
17266-143 Layer: 3	1802A62 -014A	Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
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Phone (787)995-0005
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1802A61

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Contact: Harry Peña
Project Location: San Juan, PR
Samplers Name: Ramón Rosado
Project Number: ZEM-17266
Sampling Date: 2/8/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-144	A/C Duct Black Mastic	Area 5-6	PLM	Regular		
2	17266-145	Ceiling Tile (2x4)	Area 5-6	PLM	Regular		
3	17266-146	Drywall	Area 5-6	PLM	Regular		
4	17266-147	Joint Compound	Area 5-6	PLM	Regular		
5	17266-148	Light Cream Vinyl Tile (12x12)	Area 5-4	PLM	Regular		
6	17266-149	Leveling Compound	Area 5-4	PLM	Regular		
7	17266-150	A/C Duct Black Mastic	Area 5-21	PLM	Regular		
8	17266-151	Joint Compound	Area 5-21	PLM	Regular		
9	17266-152	Drywall	Area 5-21	PLM	Regular		
10	17266-153	Peach Vinyl Tile (12x12)	Area 5-19	PLM	Regular		
11	17266-154	A/C Duct Black Mastic	Area 5-19	PLM	Regular		
12	17266-155	Drywall	Area 5-19	PLM	Regular		
13	17266-156	Joint Compound	Area 5-19	PLM	Regular		
14	17266-157	Ceiling Tile (2x4)	Area 5-19	PLM	Regular		
15	17266-158	Drywall	Area 5-35	PLM	Regular		
16	17266-159	Joint Compound	Area 5-35	PLM	Regular		
17	17266-160	Ceiling Tile (2x4)	Area 5-35	PLM	Regular		
18	17266-161	A/C Duct Black Mastic	Area 5-35	PLM	Regular		
19	17266-162	Carpet Adhesive	Area 5-35	PLM	Regular		
20	17266-163	Carpet Adhesive	Area 5-21	PLM	Regular		

Relinquished by: Harry Peña
Date/Time: 2/9/2017 16:00

Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: Manuel A.
Date/Time: 2/12 9:10am
Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A61**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-144 Layer: 1	1802A61 -001A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-144 Layer: 2	1802A61 -001A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-144 Layer: 3	1802A61 -001A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-145 Layer: 1	1802A61 -002A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-146 Layer: 1	1802A61 -003A	Drywall	ND	ND	ND	ND	ND	ND	
17266-146 Layer: 2	1802A61 -003A	Drywall	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A61**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-147 Layer: 1	1802A61 -004A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-147 Layer: 2	1802A61 -004A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-147 Layer: 3	1802A61 -004A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-148 Layer: 1	1802A61 -005A	Light Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-149 Layer: 1	1802A61 -006A	Leveling Compound	ND	ND	ND	ND	ND	ND	Glue
17266-149 Layer: 2	1802A61 -006A	Leveling Compound	ND	ND	ND	ND	ND	ND	Leveling compound

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QC Analyst: Yelena Khanina

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Lab Code 102082-0

16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-150 Layer: 1	1802A61 -007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-150 Layer: 2	1802A61 -007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-150 Layer: 3	1802A61 -007A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-151 Layer: 1	1802A61 -008A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-152 Layer: 1	1802A61 -009A	Drywall	ND	ND	ND	ND	ND	ND	
17266-152 Layer: 2	1802A61 -009A	Drywall	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A61**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-153 Layer: 1	1802A61 -010A	Peach Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-154 Layer: 1	1802A61 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-154 Layer: 2	1802A61 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-154 Layer: 3	1802A61 -011A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-155 Layer: 1	1802A61 -012A	Drywall	ND	ND	ND	ND	ND	ND	
17266-155 Layer: 2	1802A61 -012A	Drywall	ND	ND	ND	ND	ND	ND	

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16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-155 Layer: 3	1802A61 -012A	Drywall	ND	ND	ND	ND	ND	ND	
17266-156 Layer: 1	1802A61 -013A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-156 Layer: 2	1802A61 -013A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-157 Layer: 1	1802A61 -014A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-158 Layer: 1	1802A61 -015A	Drywall	ND	ND	ND	ND	ND	ND	
17266-158 Layer: 2	1802A61 -015A	Drywall	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A61**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-159 Layer: 1	1802A61 -016A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-159 Layer: 2	1802A61 -016A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-160 Layer: 1	1802A61 -017A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-161 Layer: 1	1802A61 -018A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-161 Layer: 2	1802A61 -018A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-161 Layer: 3	1802A61 -018A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A61**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-162 Layer: 1	1802A61 -019A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Glue
17266-163 Layer: 1	1802A61 -020A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Glue

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ND = None Detected

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QC Analyst: Yelena Khanina

ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
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18DRA21

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/8/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-164	Carpet Adhesive	Area 5-19	PLM	Regular		
2	17266-165	Drywall	Area 5-53	PLM	Regular		
3	17266-166	Joint Compound	Area 5-53	PLM	Regular		
4	17266-167	Ceiling Tile (2x4)	Area 5-53	PLM	Regular		
5	17266-168	A/C Duct Black Mastic	Area 5-53	PLM	Regular		
6	17266-169	Peach Vinyl Tile (12x12)	Area 5-58	PLM	Regular		
7	17266-170	Leveling Compound	Area 5-58	PLM	Regular		
8	17266-171	Carpet Adhesive	Area 5-53	PLM	Regular		
9	17266-172	Ceiling Tile (2x4)	Area 5-76	PLM	Regular		
10	17266-173	Drywall	Area 5-76	PLM	Regular		
11	17266-174	Joint Compound	Area 5-76	PLM	Regular		
12	17266-175	A/C Duct Black Mastic	Area 5-76	PLM	Regular		
13	17266-176	Carpet Adhesive	Area 5-77	PLM	Regular		
14	17266-177	A/C Duct Black Mastic	Area 6-5	PLM	Regular		
15	17266-178	Drywall	Area 6-5	PLM	Regular		
16	17266-179	Joint Compound	Area 6-5	PLM	Regular		
17	17266-180	Ceiling Tile (2x4)	Area 6-5	PLM	Regular		
18	17266-181	White Vinyl Tile (12x12)	Area 6-18	PLM	Regular		
19	17266-182	White Vinyl Tile (12x12)	Area 6-18	PLM	Regular		
20	17266-183	Drywall	Area 6-11	PLM	Regular		

Relinquished by: Harry Peña
Date/Time: 2/9/2017 16:00
Received by:
Date/Time:

FOR LAB USE ONLY

Lab Recipient: MONIQUE A
Date/Time: 2/12 9:10am
Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-164 Layer: 1	1802A21 -001A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	
17266-165 Layer: 1	1802A21 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-165 Layer: 2	1802A21 -002A	Drywall	ND	ND	ND	ND	ND	ND	
17266-166 Layer: 1	1802A21 -003A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-166 Layer: 2	1802A21 -003A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-167 Layer: 1	1802A21 -004A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-168 Layer: 1	1802A21 -005A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-168 Layer: 2	1802A21 -005A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-168 Layer: 3	1802A21 -005A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-169 Layer: 1	1802A21 -006A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-169 Layer: 2	1802A21 -006A	Peach Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-170 Layer: 1	1802A21 -007A	Leveling Compound	ND	ND	ND	ND	ND	ND	Glue

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-170 Layer: 2	1802A21 -007A	Leveling Compound	ND	ND	ND	ND	ND	ND	Leveling compound
17266-171 Layer: 1	1802A21 -008A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Glue
17266-171 Layer: 2	1802A21 -008A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Leveling compound
17266-172 Layer: 1	1802A21 -009A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-173 Layer: 1	1802A21 -010A	Drywall	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-173 Layer: 2	1802A21 -010A	Drywall	ND	ND	ND	ND	ND	ND	

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-174 Layer: 1	1802A21 -011A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-175 Layer: 1	1802A21 -012A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-175 Layer: 2	1802A21 -012A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-175 Layer: 3	1802A21 -012A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-176 Layer: 1	1802A21 -013A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Glue
17266-176 Layer: 2	1802A21 -013A	Carpet Adhesive	ND	ND	ND	ND	ND	ND	Leveling compound

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-177 Layer: 1	1802A21 -014A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-177 Layer: 2	1802A21 -014A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-178 Layer: 1	1802A21 -015A	Drywall	ND	ND	ND	ND	ND	ND	
17266-178 Layer: 2	1802A21 -015A	Drywall	ND	ND	ND	ND	ND	ND	
17266-179 Layer: 1	1802A21 -016A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-179 Layer: 2	1802A21 -016A	Joint Compound	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A21**
Project Name:	**DEPARTAMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-179 Layer: 3	1802A21 -016A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-180 Layer: 1	1802A21 -017A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-181 Layer: 1	1802A21 -018A	White Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-182 Layer: 1	1802A21 -019A	White Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-183 Layer: 1	1802A21 -020A	Drywall	ND	ND	ND	ND	ND	ND	
17266-183 Layer: 2	1802A21 -020A	Drywall	ND	ND	ND	ND	ND	ND	

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PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com

1802A23

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/8/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-184	Joint Compound	Area 6-11	PLM	Regular		
2	17266-185	Ceiling Tile (2x4)	Area 6-11	PLM	Regular		
3	17266-186	A/C Duct Black Mastic	Area 6-11	PLM	Regular		
4	17266-187	Ceiling Fire Proofing	Area 6-17	PLM	Regular		
5	17266-188	Ceiling Fire Proofing	Area 6-1	PLM	Regular		
6	17266-189	Ceiling Fire Proofing	Area 6-11	PLM	Regular		
7	17266-190	Ceiling Fire Proofing	Area 6-5	PLM	Regular		
8	17266-191	Ceiling Fire Proofing	Area 6-7	PLM	Regular		
9	17266-192	Ceiling Fire Proofing	Area 6-13	PLM	Regular		
10	17266-193	Ceiling Fire Proofing	Area 6-2	PLM	Regular		
11	17266-194	Ceiling Fire Proofing	Area 6-18	PLM	Regular		
12	17266-195	Black Mastic on TSI	Mechanical Room 2 1st Floor	PLM	Regular		
13	17266-196	Black Mastic on TSI	Mechanical Room 2 1st Floor	PLM	Regular		
14	17266-197	Black Mastic on TSI	Mechanical Room 2 1st Floor	PLM	Regular		
15	17266-198	Black Mastic on TSI	Mechanical Room 1 2nd Floor	PLM	Regular		
16	17266-199	Black Mastic on TSI	Mechanical Room 1 2nd Floor	PLM	Regular		
17	17266-200	Black Mastic on TSI	Mechanical Room 1 2nd Floor	PLM	Regular		
18	17266-201	Black Mastic on TSI	Mechanical Room 3 3rd Floor	PLM	Regular		
19	17266-202	Black Mastic on TSI	Mechanical Room 3 3rd Floor	PLM	Regular		
20	17266-203	Black Mastic on TSI	Mechanical Room 3 3rd Floor	PLM	Regular		

Relinquished by: Harry Peña HL Date/Time: 2/9/2017 16:00
Received by: _____ Date/Time: _____

FOR LAB USE ONLY

Lab Recipient: MUNIOZ Date/Time: 2/12 9:10am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

19-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A23**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-184 Layer: 1	1802A23 -001A	Joint Compound	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-184 Layer: 2	1802A23 -001A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-184 Layer: 3	1802A23 -001A	Joint Compound	ND	ND	ND	ND	ND	ND	
17266-185 Layer: 1	1802A23 -002A	Ceiling Tile (2x4)	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-186 Layer: 1	1802A23 -003A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	
17266-186 Layer: 2	1802A23 -003A	A/C Duct Black Mastic	ND	ND	ND	ND	ND	ND	

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

19-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A23**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-187 Layer: 1	1802A23 -004A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-188 Layer: 1	1802A23 -005A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-189 Layer: 1	1802A23 -006A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-190 Layer: 1	1802A23 -007A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-191 Layer: 1	1802A23 -008A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-192 Layer: 1	1802A23 -009A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

19-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A23**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-193 Layer: 1	1802A23 -010A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-194 Layer: 1	1802A23 -011A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-195 Layer: 1	1802A23 -012A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-195 Layer: 2	1802A23 -012A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-195 Layer: 3	1802A23 -012A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-195 Layer: 4	1802A23 -012A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-196 Layer: 1	1802A23 -013A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-196 Layer: 2	1802A23 -013A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-196 Layer: 3	1802A23 -013A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-196 Layer: 4	1802A23 -013A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-197 Layer: 1	1802A23 -014A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-197 Layer: 2	1802A23 -014A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-197 Layer: 3	1802A23 -014A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-197 Layer: 4	1802A23 -014A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-198 Layer: 1	1802A23 -015A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-198 Layer: 2	1802A23 -015A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-198 Layer: 3	1802A23 -015A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-198 Layer: 4	1802A23 -015A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

19-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-199 Layer: 1	1802A23 -016A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-199 Layer: 2	1802A23 -016A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-199 Layer: 3	1802A23 -016A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-199 Layer: 4	1802A23 -016A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-200 Layer: 1	1802A23 -017A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-200 Layer: 2	1802A23 -017A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-200 Layer: 3	1802A23 -017A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-200 Layer: 4	1802A23 -017A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-201 Layer: 1	1802A23 -018A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-202 Layer: 1	1802A23 -019A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	Paint included as binder
17266-202 Layer: 2	1802A23 -019A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-202 Layer: 3	1802A23 -019A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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19-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-203 Layer: 1	1802A23 -020A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-203 Layer: 2	1802A23 -020A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-203 Layer: 3	1802A23 -020A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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ZIMMETRY ENVIRONMENTAL MANAGEMENT CORP.
PO BOX 3545 BAYAMÓN, PR 00958
Phone (787)995-0005
email: hpena@zimmetry.com Web: www.zimmetry.com

18D2A49

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta GA 30340-3704
Phone (770) 457-8177 Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS SAMPLE

Project Name: Departamento de la Familia
Project Location: San Juan, PR
Project Number: ZEM-17266
Contact: Harry Peña
Samplers Name: Ramón Rosado
Sampling Date: 2/8/2018

	Sample ID	Sample Description	Sample Location	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	17266-204	Black Mastic on TSI	Mechanical Room 2 4th Floor	PLM	Regular		
2	17266-205	Black Mastic on TSI	Mechanical Room 2 4th Floor	PLM	Regular		
3	17266-206	Black Mastic on TSI	Mechanical Room 2 4th Floor	PLM	Regular		
4	17266-207	Black Mastic on TSI	Mechanical Room 4 5th Floor	PLM	Regular		
5	17266-208	Black Mastic on TSI	Mechanical Room 4 5th Floor	PLM	Regular		
6	17266-209	Black Mastic on TSI	Mechanical Room 4 5th Floor	PLM	Regular		
7	17266-210	Black Mastic on TSI	Mechanical Room 1 6th Floor	PLM	Regular		
8	17266-211	Black Mastic on TSI	Mechanical Room 1 6th Floor	PLM	Regular		
9	17266-212	Black Mastic on TSI	Mechanical Room 1 6th Floor	PLM	Regular		
10	17266-213	Ceiling Fire Proofing	Printing 1-9	PLM	Regular		
11	17266-214	Ceiling Fire Proofing	Printing 1-6	PLM	Regular		
12	17266-215	Ceiling Fire Proofing	Printing 1-7	PLM	Regular		
13	17266-216	White Vinyl Tile (12x12)	Printing 1-6	PLM	Regular	Upper Layer	
14	17266-217	Dark Cream Vinyl Tile (12x12)	Printing 1-6	PLM	Regular	Lower Layer	
15	17266-218	Dark Cream Vinyl Tile (12x12)	Printing 1-6	PLM	Regular	Lower Layer	
16	17266-219	Dark Cream Vinyl Tile (12x12)	Printing 1-8	PLM	Regular		
17	17266-220	Gray Vinyl Tile (12x12)	Printing 1-1	PLM	Regular		
18	17266-221	Gray Vinyl Tile (12x12)	Printing 1-1	PLM	Regular		
19	17266-222	White Vinyl Tile (12x12)	Printing 1-6	PLM	Regular	Upper Layer	
20	17266-223	Dark Cream Vinyl Tile (12x12)	Printing 1-9	PLM	Regular		

Relinquished by: Harry Peña HP Date/Time: 2/9/2017 16:00
Received by: _____ Date/Time: _____

FOR LAB USE ONLY

Lab Recipient: Monique A Date/Time: 2/12 9:10am Method of Shipment: FedEx

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A49**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-204 Layer: 1	1802A49 -001A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-204 Layer: 2	1802A49 -001A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-204 Layer: 3	1802A49 -001A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-204 Layer: 4	1802A49 -001A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-205 Layer: 1	1802A49 -002A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-205 Layer: 2	1802A49 -002A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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QC Analyst: Yelena Khanina

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-205 Layer: 3	1802A49 -002A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-205 Layer: 4	1802A49 -002A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-206 Layer: 1	1802A49 -003A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-206 Layer: 2	1802A49 -003A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-206 Layer: 3	1802A49 -003A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-207 Layer: 1	1802A49 -004A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-207 Layer: 2	1802A49 -004A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-207 Layer: 3	1802A49 -004A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-208 Layer: 1	1802A49 -005A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-208 Layer: 2	1802A49 -005A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-208 Layer: 3	1802A49 -005A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-209 Layer: 1	1802A49 -006A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-209 Layer: 2	1802A49 -006A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-209 Layer: 3	1802A49 -006A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-210 Layer: 1	1802A49 -007A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-210 Layer: 2	1802A49 -007A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-210 Layer: 3	1802A49 -007A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-211 Layer: 1	1802A49 -008A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-211 Layer: 2	1802A49 -008A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-211 Layer: 3	1802A49 -008A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-212 Layer: 1	1802A49 -009A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-212 Layer: 2	1802A49 -009A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-212 Layer: 3	1802A49 -009A	Black Mastic on TSI	ND	ND	ND	ND	ND	ND	
17266-213 Layer: 1	1802A49 -010A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Svetlana Arkhipov

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A49**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-214 Layer: 1	1802A49 -011A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-215 Layer: 1	1802A49 -012A	Ceiling Fire Proofing	ND	ND	ND	ND	ND	ND	
17266-216 Layer: 1	1802A49 -013A	White Vinyl Tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-217 Layer: 1	1802A49 -014A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-217 Layer: 2	1802A49 -014A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-218 Layer: 1	1802A49 -015A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

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Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-218 Layer: 2	1802A49 -015A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-219 Layer: 1	1802A49 -016A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-220 Layer: 1	1802A49 -017A	Gray Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-220 Layer: 2	1802A49 -017A	Gray Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-221 Layer: 1	1802A49 -018A	Gray Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-221 Layer: 2	1802A49 -018A	Gray Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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Bulk Sample Summary Report

NVLAP Lab Code 102082-0

16-Feb-18

Client Name:	**Zimmetry Environmental Mgmt Corp.**	AES Job Number:	**1802A49**
Project Name:	**DEPARTMENTO DE LA FAMILIA**	Project Number:	**ZEM-17266**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
17266-222 Layer: 1	1802A49 -019A	White Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-222 Layer: 2	1802A49 -019A	White Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue
17266-223 Layer: 1	1802A49 -020A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Floor tile
17266-223 Layer: 2	1802A49 -020A	Dark Cream Vinyl tile (12x12)	ND	ND	ND	ND	ND	ND	Glue

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