

Final  
**Asbestos Inspection Report**  
for  
Military Family Housing  
Naval Activity Puerto Rico  
Ceiba, Puerto Rico

Contract N62472-01-D-1440 • Project Number 15 • June 2005



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Under Contract with  
**Department of the Navy**  
**Naval Facilities Engineering Command**  
Engineering Field Activity, Northeast



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## **EXECUTIVE SUMMARY**

The US Navy Engineering Field Activity Northeast (EFANE) contracted Baker to perform an asbestos-containing material (ACM) inspection of military family housing at Naval Activity Puerto Rico (NAPR), located near Ceiba, Puerto Rico. The work was performed so that the federal government can transfer the properties. The Navy is considered the owner of all properties referenced in this report. The work was performed in accordance with the Scope of Work: Lead-Based Paint Inspection and Risk Assessment, and Asbestos Survey for Residential Property Transfer, dated September 9, 2004, under Contract Number N62472-01-D-1440. Field work for the project was performed from January 5, 2005 to February 11, 2005.

NAPR housing was reportedly constructed between 1960 and 1975 and contains 962 two, three, and four-bedroom apartment style, duplex, and single-family housing units. NAPR housing consists of eight communities: Algodones, Caribe Breeze, Cascajo Point, Coast Guard, FDR Drive, Manatee Bay, Mangrove Manor, and Rainbow Hill. Twenty-seven of the housing units in Manatee Bay are of original construction, while the remaining 935 units were renovated to varying degrees beginning in 1989. The square footage of the units ranges from 1023 to 2105 square feet. The concrete-framed buildings have concrete or ceramic exterior finishes. Interior walls are painted gypsum board and concrete. The units are generally in good condition.

Table A below summarizes the renovation history for the communities, as provided by the housing office manager.

<b>Table A. Renovation History for NAPR Housing</b>				
<b>Address of Units Inspected</b>	<b>Style of Housing</b>	<b>Date of Const.</b>	<b>Date(s) of Renov.</b>	<b>Description of Renovation</b>
Algodones				
889C, 889E, 889F, 889G, 889H, 891A, 891D, 893B, 893C, 895A, 895B, 895C, 897A, 897B, 897D, 897F, 897G, 897H, and 899B	Two, Three, and Four Bedroom Apartment-Style Units	1960	1991	<ul style="list-style-type: none"> <li>● Installation of carpeting</li> <li>● Remodel bathrooms and kitchens</li> <li>● Replace doors and windows</li> </ul>
Caribe Breeze				
1A, 2C, 5B, 6B, 10D, 11A, 15A, 16B, 17C, 20A, 20B, 21B, 25C, 25A, 28A, 31B, 34B, 35A, 37A, 38B, 39C, 43B, and 47A American Circle 92A Saratoga Road 1B and 4B Point Cruz	Two, Three, and Four Bedroom Duplex Units	1974	2001 - 2003	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Replace entrance doors</li> <li>● Reconfigure outside storage areas and A/C mechanical rooms</li> <li>● Replace kitchen cabinets</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Replace windows</li> <li>● Install ceiling fans</li> </ul> Replace carpeting in upstairs of 2-bedroom units
Cascajo Point				
6, 11, 16, 21, 24, 30, and 31 FDR Drive 6 Bataan Drive 5 and 14 San Jacinto Road 4, 7, and 13 Cowrens Drive 4, 5, 13, 14, 19, 26, 29, 30, and 43 Monterey Road 2, 5, 12, and 14 Cabot Lake	Two, Three and Four Bedroom Single Family Houses	1960	1998 - 2001	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Construct screened-in porches</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Replace kitchen cabinets</li> <li>● Remodel laundry areas</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Install ceiling fans</li> </ul>
Coast Guard				
1675, 1676, 1677, 1678, 1679, and 1680 Intrepid Street	Three and Four Bedroom Single Family Houses	1960	1989 - 1992	<ul style="list-style-type: none"> <li>● Replace floors tiles</li> <li>● Replace kitchen cabinets</li> <li>● Install central A/C</li> <li>● Replace aluminum jealously windows with French type glass louvered windows</li> </ul>

<b>Table A. Renovation History for NAPR Housing</b>				
<b>Address of Units Inspected</b>	<b>Style of Housing</b>	<b>Date of Const.</b>	<b>Date(s) of Renov.</b>	<b>Description of Renovation</b>
<b>FDR Drive</b>				
1, 3, and 5 FDR Drive	Three Bedroom Single Family Houses	1960	1999 - 2000	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Replace carpeting</li> <li>● Repaint all walls inside and outside</li> <li>● Replace A/C ductwork</li> <li>● Reconfigure mechanical room</li> <li>● Upgrade electrical systems</li> <li>● Replace kitchen floors and cabinets</li> <li>● Remodel bathrooms including replace bathroom fixtures ( not 1 FDR)</li> <li>● Install ceiling fans</li> </ul>
<b>Manatee Bay</b>				
6 and 7 Intrepid Street 8, 11, 20, 36, 38, 49, 52, and 60 Ranger Road 2 and 20 Hancock Circle 4 and 15 Coral Sea Drive 3 and 18 Franklin Drive 8, 19, and 26 Hornet Road 3, 11, 21, 32, and 35 Yorktown Circle 67, 74, and 81 Lexington Drive	Two, Three and Four Bedroom Single Family Houses	1960	2001 - 2003	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Construct screened-in porches</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Reconfigure kitchens and replace kitchen cabinets</li> <li>● Remodel laundry areas</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Install ceiling fans</li> </ul>
<b>Mangrove Manor</b>				
11, 12, 19, 20, 31, 38, 50, 68, and 82 Saratoga Road 2, 11, and 17 Essex Drive 6 Ticonderoga Street 18, 25, 34, 41, and 54 Enterprise Drive 9, 26, 33, 46, and 47 Lexington Drive 6, 15, and 32 Wasp Circle 7 Bunker Hill Road	Two, Three and Four Bedroom Single Family Houses	1960	1989 - 1992	<ul style="list-style-type: none"> <li>● Same as Coast Guard</li> </ul>
<b>Rainbow Hill</b>				
2A, 4A, 4B, 5B, 7A, 8A, 10C, 13B, 14B, 15B, 16A, 18A, 19C, 20B, 22B, 23A, 24A, 27A, 28B, 29B, 32A, 33B, 34A, and 36A Nimitz Drive	Two, Three, and Four Bedroom Duplex and Apartment-Style Units	1975	1998 - 2001	<ul style="list-style-type: none"> <li>● Same as Caribe Breeze</li> </ul>

Base Realignment and Closure (BRAC) policy considers ACM to be a hazard when it meets all three of the following conditions: friable, accessible, and damaged. ACM hazards were not identified in the housing units that were inspected. Per the Scope of Work, Baker did not conduct walk-through inspections of all units of NAPR housing to identify ACMs and ACM hazards. Therefore, additional ACMs and ACM hazards may be present in NAPR housing. Table B below summarizes the ACMs that were identified at each housing community. No ACMs were identified at Rainbow Hill.

<b>Table B. ACMs Identified at NAPR Housing</b>		
<b>Material</b>	<b>Location</b>	<b>Approximate Percent of Units with ACMs*</b>
<b>Algodones</b>		
Vinyl Floor Tile, 9" x 9" tan with brown streaks	LR/ DR, Hall 1, BR1, BR2, and BR3	47%
Floor Adhesive, under 9" x 9" tan with brown streaks vinyl floor tile	LR/ DR, Hall 1, BR1, BR2, and BR3	47%
Vinyl Floor Tile, 9" x 9" gray with black streaks	BR1 and BR2	42%
Floor Adhesive, under 9" x 9" gray with black streaks vinyl floor tile	BR1 and BR2	42%
<b>Caribe Breeze</b>		
Tan/Black Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, BR4, ST2, ST3, Hall 1, Hall 2, Stair, Laundry, Kitchen, LR/DR	43%
Yellow/Black Floor Adhesive, under 1' x 1' gray mottled vinyl floor tile	BR1, BR2, BR3, BR4, ST2, ST3, Hall 1, Hall 2, Stair, Laundry, Kitchen, LR/DR	57%
<b>Cascajo Point</b>		
Yellow/Black Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, BR4, LR, DR, LR-P, Hall, Laundry, and Kitchen	100%
<b>Coast Guard</b>		
Black Floor Adhesive, under 1' x 1' brown with white and red streaks vinyl floor tile	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	66%
<b>FDR Drive</b>		
Floor Adhesive, under 1' x 1' brown with red streaks vinyl floor tile	LR/DR	33%
Vinyl Floor Tile, 9" x 9" gray with white streaks	BR1, BR2, BR3, Hall, and LR/DR	66%
Floor Adhesive, under 9" x 9" gray with white streaks vinyl floor tile	BR1, BR2, BR3, Hall, and LR/DR	66%
Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, and Hall	33%
Vinyl Floor Tile, 1' x 1' brown with tan streaks	LR/DR	33%
<b>Manatee Bay</b>		
Vinyl Floor Tile, 1' x 1' yellow mottled	LR, DR, Kitchen, Hall, BR1, BR2, and BR3	3%
Black Floor Adhesive, under 1' x 1' yellow mottled and 1' x 1' brown with orange and white stripes vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, and BR3	7%
<b>Mangrove Manor</b>		
Vinyl Floor Tile, 1' x 1' brown mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	33%
Black Floor Adhesive, under 1' x 1' brown mottled, 1' x 1' white with brown streaks, 1' x 1' light brown mottled, 1' x 1' brown with light brown streaks, 1' x 1' brown with white streaks, 1' x 1' white with gray specks, and 1' x 1' white with black streaks vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	88%
Vinyl Floor Tile, 1' x 1' brown with light brown streaks	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	4%
Vinyl Floor Tile, 1' x 1' white with black streaks	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	7%
Vinyl Floor Tile, 1' x 1' tan mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	7%
Black Floor Adhesive, under 1' x 1' tan mottled and 1' x 1' white mottled vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	11%
Vinyl Floor Tile, 1' x 1' white mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	4%
Sink Coating, black	Kitchen	96%

\*For NAPR Housing, percentages are based on a representative number of units inspected for ACM; not all units in NAPR Housing were inspected. A complete ACM inspection of all NAPR Housing units is recommended to verify actual quantities and conditions.

If renovation or demolition of housing units is scheduled, a more comprehensive ACM inspection should be conducted to attempt to identify hidden ACM (e.g., behind walls, above ceilings, etc.) that would not have been identified during this non-destructive, baseline study. Also, prior to renovation or demolition, ACM removal and disposal activities must be completed in accordance with EPA, Puerto Rico OSHA, Puerto Rico EQB, and other applicable federal and local regulations.

## 1.0 INTRODUCTION

The US Navy Engineering Field Activity Northeast (EFANE) contracted Baker to perform an asbestos-containing material (ACM) inspection of military family housing at Naval Activity Puerto Rico (NAPR), located near Cieba, Puerto Rico. The work was performed so that the federal government can transfer the properties. The Navy is considered the owner of all properties referenced in this report. The work was performed in accordance with the Scope of Work: Lead-Based Paint Inspection and Risk Assessment, and Asbestos Survey for Residential Property Transfer, dated September 9, 2004, under Contract Number N62472-01-D-1440. Field work for the project was performed from January 5, 2005 to February 11, 2005.

The body of the report is followed by the following appendices that contain supporting data:

- Appendix A contains copies of training certificates for the Baker and Environmental Development and Sustainability, Inc. (EDS) Baker subcontractor) staff who conducted the investigation and the certificates of accreditation for the laboratories that conducted sample analysis.
- Appendix B contains an NAPR map that shows the location of each of the housing communities and a floor plan for each type of housing unit that was inspected.
- Appendix C contains analytical laboratory reports for bulk material samples.
- Appendix D contains photographs pertinent to the ACM inspection. These photographs are also included on a CD that accompanies this report.

While preparing this report, Baker consulted the following regulations, guidance documents and policies:

- 29 CFR 1926.1101 - OSHA Asbestos Construction Standard
- 40 CFR 763 - Asbestos Hazard Emergency Response Act (AHERA) and Asbestos School Hazard Reauthorization Act (ASHARA) as Amended
- 40 CFR 61, Subpart M – National Emissions Standards for Hazardous Air Pollutants (NESHAPS)

- Puerto Rico Environmental Quality Board Regulation for the Control of Atmospheric Pollution, Rules 102, 422, and 501
- 41 CFR 101-47 – General Services Administration Federal Property Management Regulations: Utilization and Disposal of Real Property
- 15 United States Code 2680, 2681 and 2688 -Toxic Substances Control Act
- Department of Defense (DoD) Base Realignment and Closure Act (BRAC) Policy on Asbestos, Lead Paint and Radon Policies at BRAC Properties (October 31, 1994)
- EPA 560/5-85-030a – *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials*

**1.1 Housing Community Overview**

NAPR housing was reportedly constructed between 1960 and 1975 and contains 962 two, three, and four-bedroom apartment style, duplex, and single-family units. NAPR housing consists of eight communities: Algodones, Caribe Breeze, Cascajo Point, Coast Guard, FDR Drive, Manatee Bay, Mangrove Manor, and Rainbow Hill. Twenty-seven of the housing units in Manatee Bay are of original construction, while the remaining 935 units were renovated beginning in 1989. The square footage of the units ranges from 1023 to 2105 square feet. The concrete-framed buildings have concrete or ceramic exterior finishes. Interior walls are painted gypsum board and concrete. The units are generally in good condition.

Table C below summarizes the renovation history for the communities, as provided by the housing office manager.

<b>Table C. Renovation History for NAPR Housing</b>				
<b>Address of Units Inspected</b>	<b>Style of Housing</b>	<b>Date of Const.</b>	<b>Date(s) of Renov.</b>	<b>Description of Renovation</b>
Algodones				
889C, 889E, 889F, 889G, 889H, 891A, 891D, 893B, 893C, 895A, 895B, 895C, 897A, 897B, 897D, 897F, 897G, 897H, and 899B	Two, Three, and Four Bedroom Apartment-Style Units	1960	1991	<ul style="list-style-type: none"> <li>• Installation of carpeting</li> <li>• Remodel bathrooms and kitchens</li> <li>• Replace doors and windows</li> </ul>

<b>Table C. Renovation History for NAPR Housing</b>				
<b>Address of Units Inspected</b>	<b>Style of Housing</b>	<b>Date of Const.</b>	<b>Date(s) of Renov.</b>	<b>Description of Renovation</b>
Caribe Breeze				
1A, 2C, 5B, 6B, 10D, 11A, 15A, 16B, 17C, 20A, 20B, 21B, 25C, 25A, 28A, 31B, 34B, 35A, 37A, 38B, 39C, 43B, and 47A American Circle 92A Saratoga Road 1B and 4B Point Cruz	Two, Three, and Four Bedroom Duplex Units	1974	2001 - 2003	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Replace entrance doors</li> <li>● Reconfigure outside storage areas and A/C mechanical rooms</li> <li>● Replace kitchen cabinets</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Replace windows</li> <li>● Install ceiling fans</li> </ul> Replace carpeting in upstairs of 2-bedroom units
Cascajo Point				
6, 11, 16, 21, 24, 30, and 31 FDR Drive 6 Bataan Drive 5 and 14 San Jacinto Road 4, 7, and 13 Cowrens Drive 4, 5, 13, 14, 19, 26, 29, 30, and 43 Monterey Road 2, 5, 12, and 14 Cabot Lake	Two, Three and Four Bedroom Single Family Houses	1960	1998 - 2001	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Construct screened-in porches</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Replace kitchen cabinets</li> <li>● Remodel laundry areas</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Install ceiling fans</li> </ul>
Coast Guard				
1675, 1676, 1677, 1678, 1679, and 1680 Intrepid Street	Three and Four Bedroom Single Family Houses	1960	1989 - 1992	<ul style="list-style-type: none"> <li>● Replace floors tiles</li> <li>● Replace kitchen cabinets</li> <li>● Install central A/C</li> <li>● Replace aluminum jealously windows with French type glass louvered windows</li> </ul>
FDR Drive				
1, 3, and 5 FDR Drive	Three Bedroom Single Family Houses	1960	1999 - 2000	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Replace carpeting</li> <li>● Repaint all walls inside and outside</li> <li>● Replace A/C ductwork</li> <li>● Reconfigure mechanical room</li> <li>● Upgrade electrical systems</li> <li>● Replace kitchen floors and cabinets</li> <li>● Remodel bathrooms including replace bathroom fixtures ( not 1 FDR)</li> <li>● Install ceiling fans</li> </ul>

<b>Table C. Renovation History for NAPR Housing</b>				
<b>Address of Units Inspected</b>	<b>Style of Housing</b>	<b>Date of Const.</b>	<b>Date(s) of Renov.</b>	<b>Description of Renovation</b>
Manatee Bay				
6 and 7 Intrepid Street 8, 11, 20, 36, 38, 49, 52, and 60 Ranger Road 2 and 20 Hancock Circle 4 and 15 Coral Sea Drive 3 and 18 Franklin Drive 8, 19, and 26 Hornet Road 3, 11, 21, 32, and 35 Yorktown Circle 67, 74, and 81 Lexington Drive	Two, Three and Four Bedroom Single Family Houses	1960	2001 - 2003	<ul style="list-style-type: none"> <li>● Remove LBP and ACM</li> <li>● Construct screened-in porches</li> <li>● Repaint all walls inside and outside</li> <li>● Replace vinyl floor tile with ceramic tile</li> <li>● Replace A/C ductwork and central A/C units</li> <li>● Upgrade electrical systems</li> <li>● Reconfigure kitchens and replace kitchen cabinets</li> <li>● Remodel laundry areas</li> <li>● Replace bathroom fixtures and tiles</li> <li>● Reconfigure master bedrooms and bathroom</li> <li>● Install ceiling fans</li> </ul>
Mangrove Manor				
11, 12, 19, 20, 31, 38, 50, 68, and 82 Saratoga Road 2, 11, and 17 Essex Drive 6 Ticonderoga Street 18, 25, 34, 41, and 54 Enterprise Drive 9, 26, 33, 46, and 47 Lexington Drive 6, 15, and 32 Wasp Circle 7 Bunker Hill Road	Two, Three and Four Bedroom Single Family Houses	1960	1989 - 1992	<ul style="list-style-type: none"> <li>● Same as Coast Guard</li> </ul>
Rainbow Hill				
2A, 4A, 4B, 5B, 7A, 8A, 10C, 13B, 14B, 15B, 16A, 18A, 19C, 20B, 22B, 23A, 24A, 27A, 28B, 29B, 32A, 33B, 34A, and 36A Nimitz Drive	Two, Three, and Four Bedroom Duplex and Apartment-Style Units	1975	1998 - 2001	<ul style="list-style-type: none"> <li>● Same as Caribe Breeze</li> </ul>

Floor plans of each type of housing unit are included in Appendix B, and exterior photographs are presented in Appendix D.

## **2.0 ASBESTOS-CONTAINING MATERIAL INSPECTION**

### **2.1 Regulatory Background**

In the 1970s and 1980s, the EPA banned the use of asbestos-containing spray-on materials, molded and wet applied asbestos, asbestos-containing thermal system insulation, and asbestos in acoustical or decorative applications. As of 1989, the EPA planned to ban the use of asbestos in other products. The ban was originally designed to be put into place in three phases; however, in 1991 the EPA ban was repealed. Because of the repeal, only the first stage of the ban was implemented. Products included in the first phase of the ban were felt products and asbestos cement products.

Several federal regulations pertain to managing ACMs. AHERA, 40 CFR 763 Subpart E, is perhaps the most well known asbestos regulation. The EPA developed AHERA to protect children in the United States from deteriorating ACMs in school buildings. AHERA was enacted in 1986 and required school systems to identify ACMs in all of their school buildings. AHERA also required school systems to develop management plans for the ACMs identified in schools and established reporting and record keeping requirements for educational authorities. Although AHERA is applicable only to schools, many of the accreditation requirements and sampling methodologies established by

the act have been incorporated into the asbestos inspection industry's procedures. ASHARA requires individuals working in public or commercial buildings to be AHERA accredited if they are performing ACM abatement projects, supervising ACM abatement projects, designing ACM abatement projects, or inspecting building for ACMs. The EPA NESHAPS requires inspections for ACM prior to renovation or demolition of structures, except for residential buildings with four or fewer dwelling units. NESHAPS contains work practice and disposal requirements for regulated ACM, which is defined as ACM that is friable or that is likely to become friable during renovation or demolition activities. The definition of a friable material is one that can be crushed, pulverized, or reduced to powder under hand pressure when dry. The definition of a non-friable material is one that cannot be crushed, pulverized, or reduced to powder under hand pressure when dry.

The Puerto Rico Environmental Quality Board (EQB) regulates ACM inspection, management, removal, and disposal activities. The majority of the regulations are found in the EQB's Regulation for the Control of Atmospheric Pollution Rules 102, 422, and 501. The rules require permits, notifications, training, and work plan submissions to EQB, among other items.

OSHA developed the Occupational Exposure to Asbestos regulation to help protect workers from asbestos hazards. The regulation defined Class I through IV asbestos work, established asbestos exposure limits, and implemented asbestos worker protection requirements. Unlike the EPA's regulations, the OSHA regulation was specifically written to protect workers rather than the public. The Puerto Rico Occupational Safety and Health Administration has adopted the federal standard.

Baker reviewed the Federal Property Management Regulations 41 CFR 101-47.304-13 and BRAC policy to identify regulations and guidelines for transferring properties with ACMs. Based on the review of the information, the Navy is required to disclose all knowledge of ACMs at NAPR Housing to any bidders or transferees. This report should be given to parties interested in NAPR Housing and will serve as the disclosure vehicle. As stated in the Federal Property Management Regulations, any bidders on NAPR Housing should be provided with a "Notice of the Presence of Asbestos—Warning!". The notice can be found in 41 CFR 101-47.304-13.

## **2.2 Methodology**

Baker was unable to obtain any previous ACM reports for the housing communities. It is not known if previous ACM surveys were conducted.

Baker conducted the asbestos inspection in accordance with AHERA, ASHARA and OSHA asbestos regulations. AHERA-accredited asbestos inspectors identified building materials that could contain asbestos. Building materials were then grouped into homogeneous materials. Homogeneous materials are defined as building materials similar in appearance and texture. The asbestos inspectors then collected representative bulk material samples from each homogeneous material in general accordance with AHERA guidelines. Insulation materials that appeared to be composed of fiberglass were not considered potential (i.e., suspect) ACM. For each homogeneous material, the material description, location(s), approximate quantity, friability, condition, accessibility, and potential for damage were recorded.

In accordance with the Scope of Work, the number of samples for each homogeneous material was based on the quantity of homogeneous material present throughout the inspected housing units, as follows:

- $\leq$  1000 square feet – 3 samples
- $\leq$  5000 square feet – 5 samples
- $>$  5000 square feet – 7 samples

Sample results from a homogeneous material represent the asbestos content for the homogeneous material throughout each particular housing community, regardless of the sample locations.

As per the scope of work, Baker sampled wallboard and associated joint compound as a composite material. The results are reported for individual layers as well as for the composite material.

Bulk building material samples were sent to Schneider Labs for analysis using polarized light microscopy with dispersion staining. Schneider Labs is accredited for asbestos analysis through the National Voluntary Laboratory Accreditation Program (NVLAP). Homogeneous materials were analyzed until a positive identification of asbestos was made or until all samples of the material were determined to contain less than or equal to 1 percent asbestos. Samples found to contain detectable, but less than 1 percent asbestos, were further analyzed by point count methodology to more accurately define their asbestos content. Quality Control (QC) samples, one per 10 bulk samples, were collected in accordance with the Scope of Work and were analyzed by RJ Lee Group, Inc., another NVLAP accredited laboratory. QC sample results were generally consistent with bulk sample results. However, where conflicting lab results were indicated (i.e., one lab found the material to contain greater than 1 percent asbestos and the other did not), the material was considered to be ACM. Laboratory reports are included in Appendix C. Inspector and laboratory certifications are included in Appendix A.

### **2.3 Selecting Units for Inspections**

Per the Scope of Work, ACM inspections were performed in 19 of 32 Algodones housing units, 26 of 136 Caribe Breeze housing units, 26 of 139 Cascajo Point housing units, all six Coast Guard housing units, all three FDR Drive housing units, 26 of 262 Manatee Bay housing units, 27 of 275 Mangrove Manor housing units, and 24 of 88 Rainbow Hill housing units. NAPR Housing units selected for ACM inspection were chosen randomly. Units selected for ACM inspection are listed in Table D below. All units were vacant at the time of the inspections.

**Table D. Units Selected for ACM Inspection at NAPR Housing**

Address	Date Inspected
Algodones	
889C	February 1, 2005
889E	February 1, 2005
889F	February 2, 2005
889G	February 2, 2005
889H	February 7, 2005
891A	February 3, 2005
891D	February 3, 2005
893B	February 3, 2005
893C	February 4, 2005
895A	February 4, 2005
895B	February 4, 2005
895C	February 4, 2005
897A	February 7, 2005
897B	February 2, 2005
897D	February 2, 2005
897F	February 2, 2005
897G	February 2, 2005
897H	February 2, 2005
899B	February 1, 2005
Caribe Breeze	
1A American Circle	January 5, 2005
2C American Circle	January 9, 2005
5B American Circle	January 7, 2005
6B American Circle	January 7, 2005
10D American Circle	January 10, 2005
11A American Circle	January 10, 2005
15A American Circle	January 10, 2005
16B American Circle	January 10, 2005
17C American Circle	January 11, 2005
20A American Circle	January 11, 2005
20B American Circle	January 11, 2005
21B American Circle	January 12, 2005
24C American Circle	January 12, 2005
25A American Circle	January 12, 2005
28A American Circle	January 12, 2005
31B American Circle	January 12, 2005
34B American Circle	January 13, 2005
35A American Circle	January 13, 2005
37A American Circle	January 13, 2005
38B American Circle	January 14, 2005
39C American Circle	January 14, 2005

<b>Table D. Units Selected for ACM Inspection at NAPR Housing</b>	
<b>Address</b>	<b>Date Inspected</b>
Caribe Breeze	
43B American Circle	January 14, 2005
47A American Circle	January 17, 2005
1B Point Cruz	January 17, 2005
4B Point Cruz	January 17, 2005
92A Saratoga Drive	January 17, 2005
Cascaio Point	
6 Bataan Drive	January 20, 2005
4 Cowrens Drive	January 21, 2005
7 Cowrens Drive	January 24, 2005
13 Cowrens Drive	January 24, 2005
6 FDR Drive	January 20, 2005
11 FDR Drive	January 20, 2005
16 FDR Drive	January 20, 2005
21 FDR Drive	January 20, 2005
24 FDR Drive	January 20, 2005
30 FDR Drive	January 21, 2005
31 FDR Drive	January 21, 2005
4 Monterey Road	January 26, 2005
5 Monterey Road	January 26, 2005
13 Monterey Road	January 26, 2005
14 Monterey Road	January 27, 2005
19 Monterey Road	January 27, 2005
26 Monterey Road	January 27, 2005
29 Monterey Road	January 27, 2005
30 Monterey Road	January 27, 2005
43 Monterey Road	January 27, 2005
5 San Jacinto Road	January 27, 2005
14 San Jacinto Road	January 25, 2005
Coast Guard	
1675 Intrepid Street	January 31, 2005
1676 Intrepid Street	January 31, 2005
1677 Intrepid Street	February 1, 2005
1678 Intrepid Street	February 5, 2005
1679 Intrepid Street	February 5, 2005
1680 Intrepid Street	January 31, 2005
FDR Drive	
1 FDR Drive	January 19, 2005
3 FDR Drive	January 21, 2005
5 FDR Drive	January 19, 2005
Manatee Bay	
4 Coral Sea Drive	January 12, 2005
15 Coral Sea Drive	January 12, 2005
3 Franklyn Drive	January 12, 2005
18 Franklyn Drive	January 12, 2005
2 Hancock Circle	January 11, 2005
20 Hancock Circle	January 11, 2005

**Table D. Units Selected for ACM Inspection at NAPR Housing**

Address	Date Inspected
Manatee Bay	
8 Hornet Road	January 13, 2005
19 Hornet Road	January 13, 2005
26 Hornet Road	January 13, 2005
6 Intrepid Street	January 6, 2005
7 Intrepid Street	January 7, 2005
67 Lexington Drive	January 18, 2005
74 Lexington Drive	January 18, 2005
81 Lexington Drive	January 18, 2005
8 Ranger Road	January 7, 2005
11 Ranger Road	January 7, 2005
20 Ranger Road	January 10 2005
36 Ranger Road	January 11, 2005
38 Ranger Road	January 10, 2005
49 Ranger Road	January 10, 2005
52 Ranger Road	January 10, 2005
60 Ranger Road	January 11, 2005
3 Yorktown Circle	January 14, 2005
11 Yorktown Circle	January 14, 2005
21 Yorktown Circle	January 14, 2005
32 Yorktown Circle	January 14, 2005
35 Yorktown Circle	January 17, 2005
Mangrove Manor	
7 Bunker Hill Road	January 27, 2005
18 Enterprise Drive	January 24, 2005
25 Enterprise Drive	January 24, 2005
34 Enterprise Drive	January 24, 2005
41 Enterprise Drive	January 25, 2005
54 Enterprise Drive	January 25, 2005
2 Essex Drive	January 21, 2005
11 Essex Drive	January 21, 2005
17 Essex Drive	January 21, 2005
9 Lexington Drive	January 25, 2005
26 Lexington Drive	January 26, 2005
33 Lexington Drive	January 26, 2005
46 Lexington Drive	January 26, 2005
47 Lexington Drive	January 26, 2005
6 Ticonderoga Road	January 24, 2005
11 Saratoga Road	January 19, 2005
12 Saratoga Road	January 19, 2005
19 Saratoga Road	January 19, 2005
20 Saratoga Road	January 19, 2005
31 Saratoga Road	January 20, 2005
38 Saratoga Road	January 20, 2005
50 Saratoga Road	January 20, 2005
68 Saratoga Road	January 20, 2005

<b>Table D. Units Selected for ACM Inspection at NAPR Housing</b>	
<b>Address</b>	<b>Date Inspected</b>
Mangrove Manor	
82 Saratoga Road	January 21, 2005
6 Wasp Circle	January 26, 2005
15 Wasp Circle	January 27, 2005
32 Wasp Circle	January 27, 2005
Rainbow Hill	
2A Nimitz Drive	January 27, 2005
4A Nimitz Drive	January 28, 2005
4B Nimitz Drive	January 28, 2005
5B Nimitz Drive	January 28, 2005
7A Nimitz Drive	January 28, 2005
8A Nimitz Drive	January 28, 2005
10C Nimitz Drive	January 31, 2005
13B Nimitz Drive	January 31, 2005
14B Nimitz Drive	January 31, 2005
15B Nimitz Drive	January 31, 2005
16A Nimitz Drive	February 1, 2005
18A Nimitz Drive	February 1, 2005
19C Nimitz Drive	February 1, 2005
20B Nimitz Drive	February 1, 2005
22B Nimitz Drive	February 2, 2005
23A Nimitz Drive	February 2, 2005
24A Nimitz Drive	February 2, 2005
27A Nimitz Drive	February 2, 2005
28B Nimitz Drive	February 3, 2005
29B Nimitz Drive	February 3, 2005
32A Nimitz Drive	February 3, 2005
33B Nimitz Drive	February 3, 2005
34A Nimitz Drive	February 4, 2005
36A Nimitz Drive	February 4, 2005

## **2.4 Disclaimer**

Baker was contracted to perform an ACM inspection of NAPR Housing that would meet the requirements of an Operations and Maintenance Program for ACMs. As such, the inspection was not destructive and did not involve breaking into pipe chases, interstitial spaces or other inaccessible building areas. Therefore, ACMs may exist within inaccessible building areas. The presence or absence of ACMs applies only to materials sampled on the dates of the field visit. It should be noted that conditions might change due to vandalism, deterioration, or maintenance activities. Ongoing monitoring by the owner or transferee is necessary. If additional materials suspected of containing

asbestos are identified during renovation or demolition activities, they should be assumed to be ACMs or should be sampled and analyzed before being disturbed.

## 2.5 Summary of Asbestos-Containing Materials

By definition, an ACM contains greater than 1 percent asbestos. Table E below lists the ACMs identified within NAPR Housing by community. Note that additional ACMs may be present in the communities. ACMs were not identified in Rainbow Hill. Floor plans of typical units are presented in Appendix B. For a complete listing of the materials tested for asbestos, refer to Table 1 (for each housing community) following the text of this report.

<b>Table E. ACMs Identified at NAPR Housing</b>		
<b>Material</b>	<b>Location</b>	<b>Approximate Percent of Units with ACMs*</b>
<b>Algodones</b>		
Vinyl Floor Tile, 9" x 9" tan with brown streaks	LR/ DR, Hall 1, BR1, BR2, and BR3	47%
Floor Adhesive, under 9" x 9" tan with brown streaks vinyl floor tile	LR/ DR, Hall 1, BR1, BR2, and BR3	47%
Vinyl Floor Tile, 9" x 9" gray with black streaks	BR1 and BR2	42%
Floor Adhesive, under 9" x 9" gray with black streaks vinyl floor tile	BR1 and BR2	42%
<b>Caribe Breeze</b>		
Tan/Black Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, BR4, ST2, ST3, Hall 1, Hall 2, Stair, Laundry, Kitchen, LR/DR	43%
Yellow/Black Floor Adhesive, under 1' x 1' gray mottled vinyl floor tile	BR1, BR2, BR3, BR4, ST2, ST3, Hall 1, Hall 2, Stair, Laundry, Kitchen, LR/DR	57%
<b>Cascajo Point</b>		
Yellow/Black Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, BR4, LR, DR, LR-P, Hall, Laundry, and Kitchen	100%
<b>Coast Guard</b>		
Black Floor Adhesive, under 1' x 1' brown with white and red streaks vinyl floor tile	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	66%
<b>FDR Drive</b>		
Floor Adhesive, under 1' x 1' brown with red streaks vinyl floor tile	LR/DR	33%
Vinyl Floor Tile, 9" x 9" gray with white streaks	BR1, BR2, BR3, Hall, and LR/DR	66%
Floor Adhesive, under 9" x 9" gray with white streaks vinyl floor tile	BR1, BR2, BR3, Hall, and LR/DR	66%
Floor Adhesive, under 1' x 1' tan mottled vinyl floor tile	BR1, BR2, BR3, and Hall	33%
Vinyl Floor Tile, 1' x 1' brown with tan streaks	LR/DR	33%

<b>Table E. ACMs Identified at NAPR Housing</b>		
<b>Material</b>	<b>Location</b>	<b>Approximate Percent of Units with ACMs*</b>
<b>Manatee Bay</b>		
Vinyl Floor Tile, 1' x 1' yellow mottled	LR, DR, Kitchen, Hall, BR1, BR2, and BR3	3%
Black Floor Adhesive, under 1' x 1' yellow mottled and 1' x 1' brown with orange and white stripes vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, and BR3	7%
<b>Mangrove Manor</b>		
Vinyl Floor Tile, 1' x 1' brown mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	33%
Black Floor Adhesive, under 1' x 1' brown mottled, 1' x 1' white with brown streaks, 1' x 1' light brown mottled, 1' x 1' brown with light brown streaks, 1' x 1' brown with white streaks, 1' x 1' white with gray specks, and 1' x 1' white with black streaks vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	88%
<b>Mangrove Manor</b>		
Vinyl Floor Tile, 1' x 1' brown with light brown streaks	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	4%
Vinyl Floor Tile, 1' x 1' white with black streaks	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	7%
Vinyl Floor Tile, 1' x 1' tan mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	7%
Black Floor Adhesive, under 1' x 1' tan mottled and 1' x 1' white mottled vinyl floor tiles	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	11%
Vinyl Floor Tile, 1' x 1' white mottled	LR, DR, Kitchen, Hall, BR1, BR2, BR3, and BR4	4%
Sink Coating, black	Kitchen	96%

Table 2 (for each housing community) following the text of this report provides additional details on the ACMs that were identified, including asbestos content, friability, and total quantities for the housing units that were inspected. Tables F through L, following Table E, list the ACMs identified by housing unit address. Appendix D contains photographs of the identified ACMs. A CD that includes these photographs accompanies this report.

Table F. ACMs Identified by Address for Algodones

Unit	Material	Material No.	Comment	Condition
889C Algodones	Vinyl Floor Tile (9" X 9" Tan With Brown Streaks)	006	The Adhesive For This Material Is Material #007.	Undamaged
	Floor Adhesive (Black, Under 9" X 9" Tan With Brown Streaks Vinyl Floor Tile)	007	This Is The Adhesive For Material #006.	Undamaged
889G Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	Vinyl Floor Tile (9" X 9" Gray With Black Streaks)	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	Floor Adhesive (Black, Under 9" X 9" Gray With Black Streaks Vinyl Floor Tile)	011	This Is The Adhesive For Material #010.	Undamaged
889H Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
891D Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
893C Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
895C Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
897D Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
897D Algodones	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
897G Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged
897H Algodones	See Initial Entry for Material #006	006	The Adhesive For This Material Is Material #007.	Undamaged
	See Initial Entry for Material #007	007	This Is The Adhesive For Material #006.	Undamaged
	See Initial Entry for Material #010	010	The Adhesive For This Material Is Material #010. This Material Is Located Below The Existing Carpet.	Undamaged
	See Initial Entry for Material #011	011	This Is The Adhesive For Material #010.	Undamaged

**Table G. ACMs Identified by Address for Caribe Breeze**

Unit	Material	Material No.	Comment	Condition
10D American Circle	Floor Adhesive (Yellow With Black Residual, Under 1' X 1' Gray Mottled Vinyl Floor Tile)	008	This Is The Adhesive For Material #007.	Undamaged
11A American Circle	Floor Adhesive (Tan With Black Residual, Under 1' X 1' Tan Mottled Vinyl Floor Tile)	002	This Is The Adhesive For Material #001.	Undamaged
15A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
16B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
17C American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
1A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
1B Point Cruz	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
20A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
20B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
21B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
24C American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
25A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
28A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
2C American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
31B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
34B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
35A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
37A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
38B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
39C American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
43B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
47A American Circle	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
4B Point Cruz	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged
5B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
6B American Circle	See Initial Entry for Material #008.	008	This Is The Adhesive For Material #007.	Undamaged
92A Saratoga Road	See Initial Entry for Material #002.	002	This Is The Adhesive For Material #001.	Undamaged

Table H. ACMs Identified by Address for Cascajo Point

Unit	Material	Material No.	Comment	Condition
11 FDR Drive	Floor Adhesive (Yellow With Black Residual, Under Tan 1' X 1' Mottled Vinyl Floor Tile)	003	This Is The Adhesive For Material #002.	Undamaged
12 Cabot Lake	See Initial Entry for Material #003	003		Undamaged
13 Cowrens Drive	See Initial Entry for Material #003	003		Undamaged
13 Monterey Road	See Initial Entry for Material #003	003		Undamaged
14 Cabot Lake	See Initial Entry for Material #003	003		Undamaged
14 Monterey Road	See Initial Entry for Material #003	003		Undamaged
14 San Jacinto Road	See Initial Entry for Material #003	003		Undamaged
16 FDR Drive	See Initial Entry for Material #003	003		Undamaged
19 Monterey Road	See Initial Entry for Material #003	003		Undamaged
2 Cabot Lake	See Initial Entry for Material #003	003		Undamaged
21 FDR Drive	See Initial Entry for Material #003	003		Undamaged
26 Monterey Road	See Initial Entry for Material #003	003		Undamaged
29 Monterey Road	See Initial Entry for Material #003	003		Undamaged
30 FDR Drive	See Initial Entry for Material #003	003		Undamaged
30 Monterey Road	See Initial Entry for Material #003	003		Undamaged
31 FDR Drive	See Initial Entry for Material #003	003		Undamaged
4 Cowrens Drive	See Initial Entry for Material #003	003		Undamaged
4 Monterey Road	See Initial Entry for Material #003	003		Undamaged
43 Monterey Road	See Initial Entry for Material #003	003		Undamaged
5 Cabot Lake	See Initial Entry for Material #003	003		Undamaged
5 Monterey Road	See Initial Entry for Material #003	003		Undamaged
5 San Jacinto Road	See Initial Entry for Material #003	003		Undamaged
6 Bataan Drive	See Initial Entry for Material #003	003		Undamaged
6 FDR Drive	See Initial Entry for Material #003	003		Undamaged
7 Cowrens Drive	See Initial Entry for Material #003	003		Undamaged

**Table I. ACMs Identified by Address for Coast Guard**

<b>Unit</b>	<b>Material</b>	<b>Material No.</b>	<b>Comment</b>	<b>Condition</b>
1675 Intrepid Street	Floor Adhesive (Black, Under 1' X 1' Brown With White And Red Streaks Vinyl Floor Tile)	007	This Is The Adhesive For Material #006.	Undamaged
1677 Intrepid Street	See Initial Entry for Material #007	007		Undamaged
1678 Intrepid Street	See Initial Entry for Material #007	007		Undamaged
1679 Intrepid Street	See Initial Entry for Material #007	007		Undamaged

Table J. ACMs Identified by Address for FDR Drive

Unit	Material	Material No.	Comment	Condition
1 FDR Drive	Vinyl Floor Tile (9" X 9" Gray With White Streaks)	006	The Adhesive For This Material Is Material #007. This Material Is Located Below The Existing Carpet.	Undamaged
	Floor Adhesive (Black, Under 9" X 9" Gray With White Streaks Vinyl Floor Tile)	007	This Is The Adhesive For Material #006.	Undamaged
3 FDR Drive	Floor Adhesive (Black, Under 1' X 1' Tan Mottled Vinyl Floor Tile)	009	This Is The Adhesive For Material #007.	Undamaged
	Vinyl Floor Tile (1' X 1' Brown With Tan Streaks)	011	The Adhesive For This Material Is Material #012. This Material Is Located Below The Existing Carpet.	Undamaged
5 FDR Drive	Floor Adhesive (Black, Under 1' X 1' Brown With Red Streaks Vinyl Floor Tile)	005	This Is The Adhesive For Material #004.	Undamaged
	Vinyl Floor Tile (9" X 9" Gray With White Streaks)	006	The Adhesive For This Material Is Material #007. This Material Is Located Below The Existing Carpet.	Undamaged
	Floor Adhesive (Black, Under 9" X 9" Gray With White Streaks Vinyl Floor Tile)	007	This Is The Adhesive For Material #006.	Undamaged

**Table K. ACMs Identified by Address for Manatee Bay**

Unit	Material	Material No.	Comment	Condition
6 Intrepid Street	Vinyl Floor Tile (1' X 1' Yellow Mottled)	001	The Adhesive For This Material Is Material #002.	Damaged
	Floor Adhesive (Black, Under 1' X 1' Yellow Mottled And 1' X 1' Brown With White And Orange Stripes Vinyl Floor Tile)	002	This Is The Adhesive For Materials #001 And #005.	Damaged
7 Intrepid Street	Floor Adhesive (Black, Under 1' X 1' Yellow Mottled And 1' X 1' Brown With White And Orange Stripes Vinyl Floor Tile)	002	This Is The Adhesive For Materials #001 And #005.	Damaged

Table I. ACMs Identified by Address for Mangrove Manor

Unit	Material	Material No.	Comment	Condition
11 Essex Drive	Floor Adhesive (Black, Under 1' X 1' Brown Mottled, 1' X 1' White With Brown Streaks, 1' X 1' White With Black Streaks, 1' X 1' White With Gray Specks, 1' X 1' Brown With Light Brown Streaks, 1' X 1' Brown With White Streaks, And 1' X 1' Light Brown Mottled Vinyl Floor Tiles)	002	This Is The Adhesive For Materials #001, #005, #006, #007, #008, #009, And #010.	Undamaged
	Sink Coating (Black)	004		Undamaged
11 Saratoga Road	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
12 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
15 Wasp Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
17 Essex Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
18 Enterprise Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
19 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
	Vinyl Floor Tile (1' X 1' Brown With Light Brown Streaks)	007	The Adhesive For This Material Is Material #002.	Undamaged
2 Essex Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
20 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
25 Enterprise Drive	Sink Coating (Black)	004		Undamaged
	Vinyl Floor Tile (1' X 1' Tan Mottled)	011	The Adhesive For This Material Is Material #012.	Damaged
	Floor Adhesive (Black, Under 1' X 1' Tan Mottled And 1' X 1' White Mottled Vinyl Floor Tile)	012	This Is The Adhesive For Material #011.	Damaged
26 Lexington Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
31 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
32 Wasp Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged

Table L. ACMs Identified by Address for Mangrove Manor

Unit	Material	Material No.	Comment	Condition
33 Lexington Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
34 Enterprise Drive	Sink Coating (Black)	004		Undamaged
	Floor Adhesive (Black, Under 1' X 1' Tan Mottled And 1' X 1' White Mottled Vinyl Floor Tile)	012	This Is The Adhesive For Material #011.	Damaged
	Vinyl Floor Tile (1' X 1' White Mottled)	013	The Adhesive For This Material Is Material #012.	Damaged
38 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
41 Enterprise Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
46 Lexington Drive	Sink Coating (Black)	004		Undamaged
	Vinyl Floor Tile (1' X 1' Tan Mottled)	011	The Adhesive For This Material Is Material #012.	Damaged
	Floor Adhesive (Black, Under 1' X 1' Tan Mottled And 1' X 1' White Mottled Vinyl Floor Tile)	012	This Is The Adhesive For Material #011.	Damaged
47 Lexington Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
50 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
54 Enterprise Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
6 Ticonderoga Street	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
6 Wasp Drive	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
	Vinyl Floor Tile (1' X 1' White With Black Streaks)	010	The Adhesive For This Material Is Material #002.	Undamaged
68 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
7 Bunker Hill Road	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
82 Saratoga Road	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged
	Vinyl Floor Tile (1' X 1' White With Black Streaks)	010	The Adhesive For This Material Is Material #002.	Undamaged
9 Lexington Drive	Vinyl Floor Tile (1' X 1' Brown Mottled)	001	The Adhesive For This Material Is Material #002.	Undamaged
	See Initial Entry for Material #002	002		Undamaged
	Sink Coating (Black)	004		Undamaged

## 2.6 Summary of Hazards

Base Realignment and Closure (BRAC) policy considers an ACM to be a hazard when it meets all three of the following conditions: friable, accessible, and damaged. No ACM hazards were identified in the 158 NAPR Housing units that were inspected. Per the Scope of Work, Baker did not conduct walk-through inspections of all NAPR Housing units to identify ACMs and ACM hazards. Therefore, additional ACMs and ACM hazards may be present at NAPR Housing.

If renovation or demolition of housing units is scheduled, a more comprehensive ACM inspection should be conducted to attempt to identify hidden ACM (e.g., behind walls, above ceilings, etc.) that would not have been identified during this non-destructive, baseline study. Also, prior to renovation or demolition, ACM removal and disposal activities must be completed in accordance with EPA, Puerto Rico OSHA, Puerto Rico EQB, and other applicable federal and local regulations.

## Tables

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Algodones**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	VINYL FLOOR TILE	1' X 1' TAN WITH BROWN STREAKS	Negative for Asbestos
002	FLOOR ADHESIVE	TAN, UNDER 1' X 1' TAN WITH BROWN STREAKS VINYL FLOOR TILE	Negative for Asbestos
003	FLOOR ADHESIVE	YELLOW	Negative for Asbestos
004	COVE BASE ADHESIVE	TAN, UNDER 4" WHITE RUBBER COVE BASE	Negative for Asbestos
005	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
006	VINYL FLOOR TILE	9" X 9" TAN WITH BROWN STREAKS	<b>Positive for Asbestos</b>
007	FLOOR ADHESIVE	BLACK, UNDER 9" X 9" TAN WITH BROWN STREAKS VINYL FLOOR TILE	<b>Positive for Asbestos</b>
008	FLOOR ADHESIVE	YELLOW, UNDER GRAY RUBBER STAIR TREAD AND GRAY RUBBER RAISED DOT FLOORING	Negative for Asbestos
009	SINK COATING	WHITE	Negative for Asbestos
010	VINYL FLOOR TILE	9" X 9" GRAY WITH BLACK STREAKS	<b>Positive for Asbestos</b>
011	FLOOR ADHESIVE	BLACK, UNDER 9" X 9" GRAY WITH BLACK STREAKS VINYL FLOOR TILE	<b>Positive for Asbestos</b>

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

## Algodones

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
006	VINYL FLOOR TILE (9" X 9" TAN WITH BROWN STREAKS)	6% CH	889C ALGODONES 889G ALGODONES 889H ALGODONES 891D ALGODONES 893C ALGODONES 895C ALGODONES 897D ALGODONES 897G ALGODONES 897H ALGODONES	No	UNDAMAGED	5,054 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #007.
007	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" TAN WITH BROWN STREAKS VINYL FLOOR TILE)	8% CH	889C ALGODONES 889G ALGODONES 889H ALGODONES 891D ALGODONES 893C ALGODONES 895C ALGODONES 897D ALGODONES 897G ALGODONES 897H ALGODONES	No	UNDAMAGED	5,054 SF	THIS IS THE ADHESIVE FOR MATERIAL #006.
010	VINYL FLOOR TILE (9" X 9" GRAY WITH BLACK STREAKS)	5% CH	889G ALGODONES 889H ALGODONES 891D ALGODONES 893C ALGODONES 895C ALGODONES 897D ALGODONES 897G ALGODONES 897H ALGODONES	No	UNDAMAGED	1,180 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #010. THIS MATERIAL IS LOCATED BELOW THE EXISTING CARPET.
011	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" GRAY WITH BLACK STREAKS VINYL FLOOR TILE)	10% CH	889G ALGODONES 889H ALGODONES 891D ALGODONES 893C ALGODONES 895C ALGODONES 897D ALGODONES 897G ALGODONES 897H ALGODONES	No	UNDAMAGED	1,180 SF	THIS IS THE ADHESIVE FOR MATERIAL #010.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Cascajo Point**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
002	VINYL FLOOR TILE	1' X 1' TAN MOTTLED	Negative for Asbestos
003	FLOOR ADHESIVE	YELLOW WITH BLACK RESIDUAL, UNDER TAN 1' X 1' MOTTLED VINYL FLOOR TILE	<b>Positive for Asbestos</b>
004	SINK COATING	WHITE	Negative for Asbestos
005	WALL AND CEILING PLASTER	YELLOW	Negative for Asbestos

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

## Cascajo Point

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
003	FLOOR ADHESIVE (YELLOW WITH BLACK RESIDUAL, UNDER TAN 1' X 1' MOTTLED VINYL FLOOR TILE)	2% CH	11 FDR DRIVE 12 CABOT LAKE 13 COWRENS DRIVE 13 MONTEREY ROAD 14 CABOT LAKE 14 MONTEREY ROAD 14 SAN JACINTO ROAD 16 FDR DRIVE 19 MONTEREY ROAD 2 CABOT LAKE 21 FDR DRIVE 26 MONTEREY ROAD 29 MONTEREY ROAD 30 FDR DRIVE 30 MONTEREY ROAD 31 FDR DRIVE 4 COWRENS DRIVE 4 MONTEREY ROAD 43 MONTEREY ROAD 5 CABOT LAKE 5 MONTEREY ROAD 5 SAN JACINTO ROAD 6 BATAAN DRIVE 6 FDR DRIVE 7 COWRENS DRIVE	No	UNDAMAGED	31,905 SF	THIS IS THE ADHESIVE FOR MATERIAL #002.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Caribe Breeze**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	VINYL FLOOR TILE	1' X 1' TAN MOTTLED	Negative for Asbestos
002	FLOOR ADHESIVE	TAN WITH BLACK RESIDUAL, UNDER 1' X 1' TAN MOTTLED VINYL FLOOR TILE	<b>Positive for Asbestos</b>
003	WALL AND CEILING BOARD	1/2" THICK, BROWN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
004	FLOOR ADHESIVE	TAN, UNDER BROWN AND GRAY RUBBER STAIR TREAD	Negative for Asbestos
005	CEILING PLASTER	WHITE, ROUGH TEXTURE	Negative for Asbestos
006	SINK COATING	WHITE	Negative for Asbestos
007	VINYL FLOOR TILE	1' X 1' GRAY MOTTLED	Negative for Asbestos
008	FLOOR ADHESIVE	YELLOW WITH BLACK RESIDUAL, UNDER 1' X 1' GRAY MOTTLED VINYL FLOOR TILE	<b>Positive for Asbestos</b>
009	WALL PLASTER	WHITE	Negative for Asbestos

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Caribe Breeze**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
002	FLOOR ADHESIVE (TAN WITH BLACK RESIDUAL, UNDER 1' X1' TAN MOTTLED VINYL FLOOR TILE)	3% CH	11A AMERICAN CIRCLE 15A AMERICAN CIRCLE 1A AMERICAN CIRCLE 20A AMERICAN CIRCLE 25A AMERICAN CIRCLE 28A AMERICAN CIRCLE 35A AMERICAN CIRCLE 37A AMERICAN CIRCLE 47A AMERICAN CIRCLE 4B POINT CRUZ 92A SARATOGA ROAD	No	UNDAMAGED	10,209 SF	THIS IS THE ADHESIVE FOR MATERIAL #001.
008	FLOOR ADHESIVE (YELLOW WITH BLACK RESIDUAL, UNDER 1' X 1' GRAY MOTTLED VINYL FLOOR TILE)	4% CH	10D AMERICAN CIRCLE 16B AMERICAN CIRCLE 17C AMERICAN CIRCLE 1B POINT CRUZ 20B AMERICAN CIRCLE 21B AMERICAN CIRCLE 24C AMERICAN CIRCLE 2C AMERICAN CIRCLE 31B AMERICAN CIRCLE 34B AMERICAN CIRCLE 38B AMERICAN CIRCLE 39C AMERICAN CIRCLE 43B AMERICAN CIRCLE 5B AMERICAN CIRCLE 6B AMERICAN CIRCLE	No	UNDAMAGED	16,871 SF	THIS IS THE ADHESIVE FOR MATERIAL #007.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Coast Guard**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	VINYL FLOOR TILE	1' X 1' TAN WITH BROWN STREAKS	Negative for Asbestos
002	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' TAN WITH BROWN STREAKS VINYL FLOOR TILE	Negative for Asbestos
003	COVE BASE ADHESIVE	BROWN, UNDER BROWN, BLACK, AND WHITE COVE BASE	Negative for Asbestos
004	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
005	CAULK	WHITE	Negative for Asbestos
006	VINYL FLOOR TILE	1' X 1' BROWN WITH WHITE AND RED STREAKS	Negative for Asbestos
007	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' BROWN WITH WHITE AND RED STREAKS VINYL FLOOR TILE	<b>Positive for Asbestos</b>
008	VINYL FLOOR TILE	TAN MOTTLED	Negative for Asbestos
009	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' TAN MOTTLED VINYL FLOOR TILE	Negative for Asbestos
010	SINK COATING	WHITE	Negative for Asbestos

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Coast Guard**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
007	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' BROWN WITH WHITE AND RED STREAKS VINYL FLOOR TILE)	3% CH	1675 INTREPID STREET 1677 INTREPID STREET 1678 INTREPID STREET 1679 INTREPID STREET	No	UNDAMAGED	3,942 SF	THIS IS THE ADHESIVE FOR MATERIAL #006.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

## FDR Drive

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE	MATERIAL DESCRIPTION	ANALYTICAL RESULTS
001	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
002	WALL AND CEILING PLASTER	WHITE	Negative for Asbestos
003	SINK COATING	WHITE	Negative for Asbestos
004	VINYL FLOOR TILE	1' X 1' BROWN WITH RED STREAKS	Negative for Asbestos
005	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' BROWN WITH RED STREAKS VINYL FLOOR TILE	<b>Positive for Asbestos</b>
006	VINYL FLOOR TILE	9" X 9" GRAY WITH WHITE STREAKS	<b>Positive for Asbestos</b>
007	FLOOR ADHESIVE	BLACK, UNDER 9" X 9" GRAY WITH WHITE STREAKS VINYL FLOOR TILE	<b>Positive for Asbestos</b>
008	VINYL FLOOR TILE	1' X 1' TAN MOTTLED	Negative for Asbestos
009	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' TAN MOTTLED VINYL FLOOR TILE	<b>Positive for Asbestos</b>
010	ASPHALTIC ROOFING MATERIALS	BLACK TAR PAPER WITH RED PEBBLES	Negative for Asbestos
011	VINYL FLOOR TILE	1' X 1' BROWN WITH TAN STREAKS	<b>Positive for Asbestos</b>
012	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' BROWN WITH TAN STREAKS VINYL FLOOR TILE	Negative for Asbestos
013	CAULK	WHITE	Negative for Asbestos

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

## FDR Drive

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
005	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' BROWN WITH RED STREAKS VINYL FLOOR TILE)	8% CH	5 FDR	No	UNDAMAGED	600 SF	THIS IS THE ADHESIVE FOR MATERIAL #004.
006	VINYL FLOOR TILE (9" X 9" GRAY WITH WHITE STREAKS)	4% CH	1 FDR 5 FDR	No	UNDAMAGED	1,868 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #007. THIS MATERIAL IS LOCATED BELOW THE EXISTING CARPET.
007	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" GRAY WITH WHITE STREAKS VINYL FLOOR TILE)	6% CH	1 FDR 5 FDR	No	UNDAMAGED	1,834 SF	THIS IS THE ADHESIVE FOR MATERIAL #006.
009	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' TAM MOTTLED VINYL FLOOR TILE)	5% CH	3 FDR	No	UNDAMAGED	634 SF	THIS IS THE ADHESIVE FOR MATERIAL #007.
011	VINYL FLOOR TILE (1' X 1' BROWN WITH TAN STREAKS)	3% CH	3 FDR	No	UNDAMAGED	600 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #012. THIS MATERIAL IS LOCATED BELOW THE EXISTING CARPET.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Manatee Bay**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	VINYL FLOOR TILE	1' X 1' YELLOW MOTTLED	<b>Positive for Asbestos</b>
002	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' YELLOW MOTTLED AND 1' X 1' BROWN WITH WHITE AND ORANGE STRIPES VINYL FLOOR TILE	<b>Positive for Asbestos</b>
003	WALL AND CEILING BOARD	1/2" THICK, BROWN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
004	CAULK	WHITE	Negative for Asbestos
005	VINYL FLOOR TILE	1' X 1' BROWN WITH WHITE AND ORANGE STRIPES	Negative for Asbestos
006	SINK COATING	WHITE	Negative for Asbestos
007	COVE BASE ADHESIVE	YELLOW, UNDER 4" TAN RUBBER COVE BASE	Negative for Asbestos
008	FLOOR ADHESIVE	YELLOW, UNDER BROWN CARPET	Negative for Asbestos
009	FLOOR ADHESIVE	YELLOW, UNDER GRAY CARPET PAD	Negative for Asbestos

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Manatee Bay**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
001	VINYL FLOOR TILE (1' X 1' YELLOW MOTTLED)	2% CH	6 INTREPID STREET	No	DAMAGED	970 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #002.
002	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' YELLOW MOTTLED AND 1' X 1' BROWN WITH WHITE AND ORANGE STRIPES VINYL FLOOR TILE)	4% CH	6 INTREPID STREET 7 INTREPID STREET	No	DAMAGED	1,940 SF	THIS IS THE ADHESIVE FOR MATERIALS #001 AND #005.

TABLE 1

## SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Mangrove Manor**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

<b>MATERIAL NUMBER</b>	<b>MATERIAL TYPE</b>	<b>MATERIAL DESCRIPTION</b>	<b>ANALYTICAL RESULTS</b>
001	VINYL FLOOR TILE	1' X 1' BROWN MOTTLED	<b>Positive for Asbestos</b>
002	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' BROWN MOTTLED, 1' X 1' WHITE WITH BROWN STREAKS, 1' X 1' WHITE WITH BLACK STREAKS, 1' X 1' WHITE WITH GRAY SPECKS, 1' X 1' BROWN WITH LIGHT BROWN STREAKS, 1' X 1' BROWN WITH WHITE STREAKS, AND 1' X 1' LIGHT BROWN MOTTLED VINYL FLOOR TILES	<b>Positive for Asbestos</b>
003	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
004	SINK COATING	BLACK	<b>Positive for Asbestos</b>
005	VINYL FLOOR TILE	1' X 1' WHITE WITH BROWN STREAKS	Negative for Asbestos
006	VINYL FLOOR TILE	1' X 1' LIGHT BROWN MOTTLED	Negative for Asbestos
007	VINYL FLOOR TILE	1' X 1' BROWN WITH LIGHT BROWN STREAKS	<b>Positive for Asbestos</b>
008	VINYL FLOOR TILE	1' X 1' BROWN WITH WHITE STREAKS	Negative for Asbestos
009	VINYL FLOOR TILE	1' X 1' WHITE WITH GRAY SPECKS	Negative for Asbestos
010	VINYL FLOOR TILE	1' X 1' WHITE WITH BLACK STREAKS	<b>Positive for Asbestos</b>
011	VINYL FLOOR TILE	1' X 1' TAN MOTTLED	<b>Positive for Asbestos</b>
012	FLOOR ADHESIVE	BLACK, UNDER 1' X 1' TAN MOTTLED AND 1' X 1' WHITE MOTTLED VINYL FLOOR TILE	<b>Positive for Asbestos</b>
013	VINYL FLOOR TILE	1' X 1' WHITE MOTTLED	<b>Positive for Asbestos</b>

TABLE 2  
SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Mangrove Manor**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
001	VINYL FLOOR TILE (1' X 1' BROWN MOTTLED)	5% CH	11 SARATOGA ROAD 17 ESSEX DRIVE 18 ENTERPRISE DRIVE 33 LEXINGTON DRIVE 41 ENTERPRISE DRIVE 47 LEXINGTON DRIVE 6 TICONDEROGA STREET 7 BUNKER HILL ROAD 9 LEXINGTON DRIVE	No	UNDAMAGED	8,025 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #002.
002	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' BROWN MOTTLED, 1' X 1' WHITE WITH BROWN STREAKS, 1' X 1' WHITE WITH BLACK STREAKS, 1' X 1' WHITE WITH GRAY SPECKS, 1' X 1' BROWN WITH LIGHT BROWN STREAKS, 1' X 1' BROWN WITH WHITE STREAKS, AND 1' X 1' LIGHT BROWN MOTTLED VINYL FLOOR TILES)	5% CH	11 ESSEX DRIVE 11 SARATOGA ROAD 12 SARATOGA ROAD 15 WASP DRIVE 17 ESSEX DRIVE 18 ENTERPRISE DRIVE 19 SARATOGA ROAD 2 ESSEX DRIVE 20 SARATOGA ROAD 26 LEXINGTON DRIVE 31 SARATOGA ROAD 32 WASP DRIVE 33 LEXINGTON DRIVE 38 SARATOGA ROAD 41 ENTERPRISE DRIVE 47 LEXINGTON DRIVE 50 SARATOGA ROAD 54 ENTERPRISE DRIVE 6 TICONDEROGA STREET 6 WASP DRIVE 68 SARATOGA ROAD 7 BUNKER HILL ROAD 82 SARATOGA ROAD 9 LEXINGTON DRIVE	No	UNDAMAGED	23,105 SF	THIS IS THE ADHESIVE FOR MATERIALS #001, #005, #006, #007, #008, #009, AND #010.

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Mangrove Manor**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
004	SINK COATING (BLACK)	6% CH	11 ESSEX DRIVE 11 SARATOGA ROAD 12 SARATOGA ROAD 15 WASP DRIVE 17 ESSEX DRIVE 18 ENTERPRISE DRIVE 19 SARATOGA ROAD 2 ESSEX DRIVE 20 SARATOGA ROAD 25 ENTERPRISE DRIVE 26 LEXINGTON DRIVE 31 SARATOGA ROAD 32 WASP DRIVE 34 ENTERPRISE DRIVE 38 SARATOGA ROAD 41 ENTERPRISE DRIVE 46 LEXINGTON DRIVE 47 LEXINGTON DRIVE 50 SARATOGA ROAD 54 ENTERPRISE DRIVE 6 TICONDEROGA STREET 6 WASP DRIVE 68 SARATOGA ROAD 7 BUNKER HILL ROAD 82 SARATOGA ROAD 9 LEXINGTON DRIVE	No	UNDAMAGED	26 EA	
007	VINYL FLOOR TILE (1' X 1' BROWN WITH LIGHT BROWN STREAKS)	6% CH	19 SARATOGA ROAD	No	UNDAMAGED	952 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #002.
010	VINYL FLOOR TILE (1' X 1' WHITE WITH BLACK STREAKS)	3% CH	6 WASP DRIVE 82 SARATOGA ROAD	No	UNDAMAGED	1,927 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #002.

TABLE 2

## SUMMARY OF IDENTIFIED ACM FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Mangrove Manor**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE (MATERIAL DESCRIPTION)	ASBESTOS CONTENT	MATERIAL LOCATION(S)	FRIABLE	CONDITION	QUANTITY	COMMENTS
011	VINYL FLOOR TILE (1' X 1' TAN MOTTLED)	3% CH	25 ENTERPRISE DRIVE 46 LEXINGTON DRIVE	No	DAMAGED	1,904 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #012.
012	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' TAN MOTTLED AND 1' X 1' WHITE MOTTLED VINYL FLOOR TILE)	8% CH	25 ENTERPRISE DRIVE 34 ENTERPRISE DRIVE 46 LEXINGTON DRIVE	No	DAMAGED	2,856 SF	THIS IS THE ADHESIVE FOR MATERIAL #011.
013	VINYL FLOOR TILE (1' X 1' WHITE MOTTLED)	3% CH	34 ENTERPRISE DRIVE	No	DAMAGED	952 SF	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #012.

TABLE 1

SUMMARY OF HOMOGENEOUS MATERIALS FOR NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

**Rainbow Hill**

Inspection Dates: 05 Jan 2005 - 11 Feb 2005

MATERIAL NUMBER	MATERIAL TYPE	MATERIAL DESCRIPTION	ANALYTICAL RESULTS
001	CEILING PLASTER	WHITE, ROUGH	Negative for Asbestos
002	WALL AND CEILING BOARD	1/2" THICK, TAN PAPER, WHITE CORE, WHITE JOINT COMPOUND	Negative for Asbestos
003	SINK COATING	WHITE	Negative for Asbestos
004	FLOOR ADHESIVE	TAN AND BLACK, UNDER BROWN AND GREY RUBBER STAIR TREADS	Negative for Asbestos

**Appendix A**  
**Training Certificates and**  
**Certificates of Accreditation**

# Professional Training Associates, Inc.

## ASBESTOS BUILDING INSPECTOR Refresher Training Course

### Michael Arthur

has successfully completed the Asbestos Building Inspector Refresher Course and passed the course examination for purposes of accreditation under Section 206 of Title II of the Toxic Substance Control Act (TSCA). Conducted by Professional Training Associates, Inc., 46 South Linden Street, Suite C, Duquesne, PA 15110, (412) 460-0266.

ARTHURM  
BIR060404DUQUESN

Location: Duquesne, PA

Examination: June 4, 2004

Course Date: June 4, 2004

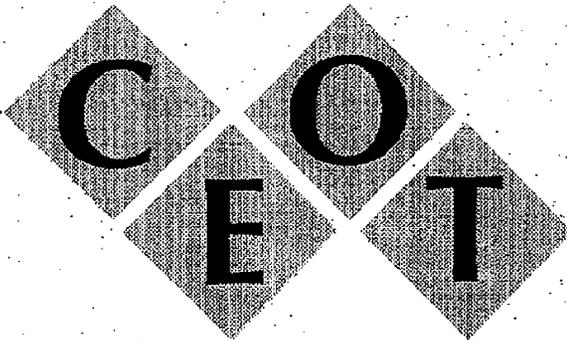
Expiration: June 4, 2005

Course Director:



Gregory S. Ashman

Certificate Number: PTA 04 - 23 - 14383



Center for Environmental and  
Occupational Training, Inc.

814 East Pittsburgh Plaza ♦ East Pittsburgh, Pennsylvania 15112  
Tel: (412) 823-1002 Fax: (412) 823-9055

***MARK A. ZETTS***

has successfully completed the following EPA-approved asbestos training course  
for purposes of accreditation required under section 206  
of Title II of the Toxic Substances Control Act (TSCA).

***ASBESTOS BUILDING INSPECTOR RECERTIFICATION***

***185646233***

Certification Number

March 18, 2004

Course Dates

March 18, 2004

Exam Date

March 18, 2005

Expiration Date

Director of Training

D.S. Ginsburg, D.M.D., M.H.A.  
Course Administrator

1594

**SHARE CORPORATION**  
*Safety, Health and Affairs Related with the Environment*

**CERTIFIES**

*that*

**Ramón E. Ramírez Velázquez**

*has completed course work and passed examination for*

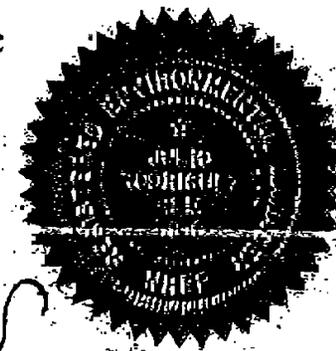
**Asbestos Inspector Refresher Course**

**(Half day)**

*under TSCA Title II AHERA*

*Conducted on July 15, 2004*

SCACR-448076



*Jairo Rodríguez*  
Certified Trainer: Jairo Rodríguez, FEM, CEA

SSN: 544-17-9395  
Passed Exam: July 15, 2004  
Accreditation Expires: July 14, 2005

SHARE CORPORATION, El Madrigal 7th St. P-24, (Aunexa) - Ponce, PR 00790 - Tel/Fax (787) 290-0117  
Course Conducted at: Universidad Interamericana de P.R., Resepto Miraflores/Salón Miraflores I, Road #1, Km. 16.3, Rio Piedras, Puerto Rico  
EQB School Certification No. EA-ASB-1201-0004

Rev.2

United States Department of Commerce  
National Institute of Standards and Technology

**NVLAP**<sup>®</sup>

ISO/IEC 17025:1999  
ISO 9002:1994

**Certificate of Accreditation**



**SCHNEIDER LABORATORIES, INC.**  
RICHMOND, VA

*is recognized by the National Voluntary Laboratory Accreditation Program  
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,  
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.  
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

**BULK ASBESTOS FIBER ANALYSIS**

March 31, 2005

Effective through

A handwritten signature in black ink, appearing to read "W. P. [unclear]".

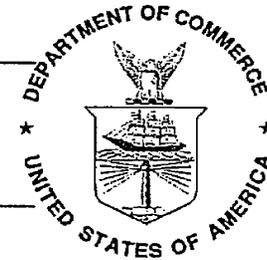
For the National Institute of Standards and Technology  
NVLAP Lab Code: 101150-0

United States Department of Commerce  
National Institute of Standards and Technology

**NVLAP**<sup>®</sup>

ISO/IEC 17025:1999  
ISO 9002:1994

Certificate of Accreditation



**RJ LEE GROUP, INC.**  
MONROEVILLE, PA

*is recognized by the National Voluntary Laboratory Accreditation Program  
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,  
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.  
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

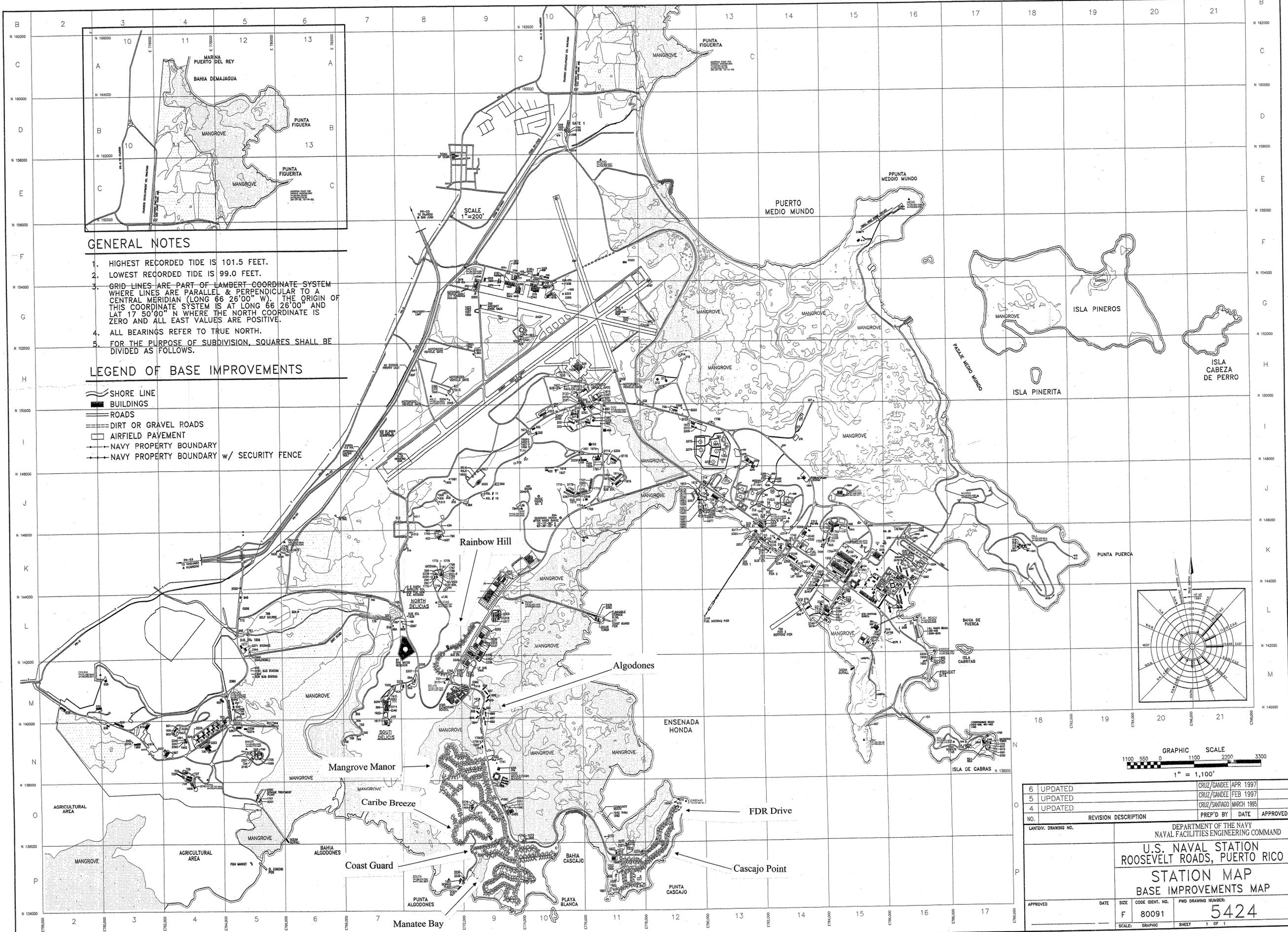
**BULK ASBESTOS FIBER ANALYSIS**

June 30, 2005

Effective through

For the National Institute of Standards and Technology  
NVLAP Lab Code: 101208-0

**Appendix B**  
**NAPR Map and Floor Plans**

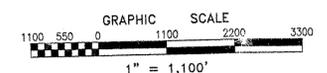
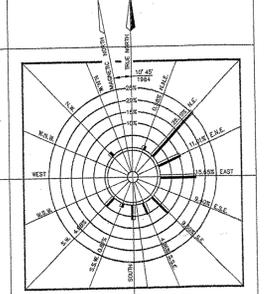


- GENERAL NOTES**
- HIGHEST RECORDED TIDE IS 101.5 FEET.
  - LOWEST RECORDED TIDE IS 99.0 FEET.
  - GRID LINES ARE PART OF LAMBERT COORDINATE SYSTEM WHERE LINES ARE PARALLEL & PERPENDICULAR TO A CENTRAL MERIDIAN (LONG 66 26 00" W). THE ORIGIN OF THIS COORDINATE SYSTEM IS AT LONG 66 26 00" AND LAT 17 50 00" N WHERE THE NORTH COORDINATE IS ZERO AND ALL EAST VALUES ARE POSITIVE.
  - ALL BEARINGS REFER TO TRUE NORTH.
  - FOR THE PURPOSE OF SUBDIVISION, SQUARES SHALL BE DIVIDED AS FOLLOWS.

**LEGEND OF BASE IMPROVEMENTS**

- SHORE LINE
- BUILDINGS
- ROADS
- DIRT OR GRAVEL ROADS
- AIRFIELD PAVEMENT
- NAVY PROPERTY BOUNDARY
- NAVY PROPERTY BOUNDARY w/ SECURITY FENCE

SCALE 1" = 200'

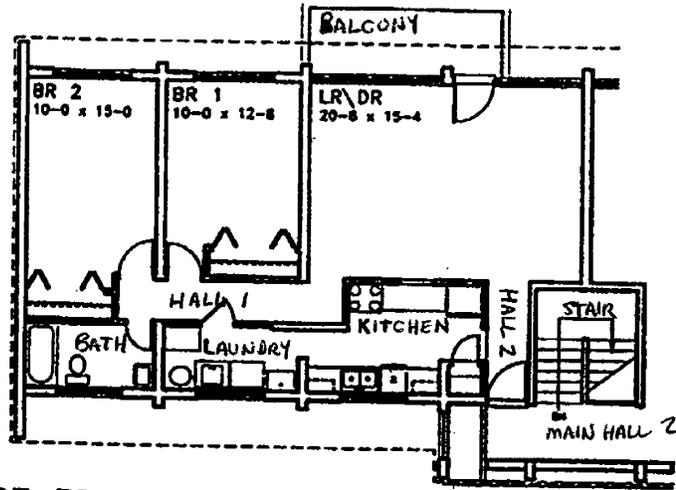


6	UPDATED	CRUZ/GANDEE	APR 1997	
5	UPDATED	CRUZ/GANDEE	FEB 1997	
4	UPDATED	CRUZ/SANTIAGO	MARCH 1995	
NO.	REVISION DESCRIPTION	PREP'D BY	DATE	APPROVED
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>U.S. NAVAL STATION</b> <b>ROOSEVELT ROADS, PUERTO RICO</b> <b>STATION MAP</b> <b>BASE IMPROVEMENTS MAP</b>				
APPROVED	DATE	SIZE	CODE IDENT. NO.	PWD DRAWING NUMBER
		F	80091	5424
SCALE: GRAPHIC		SHEET 1 OF 1		

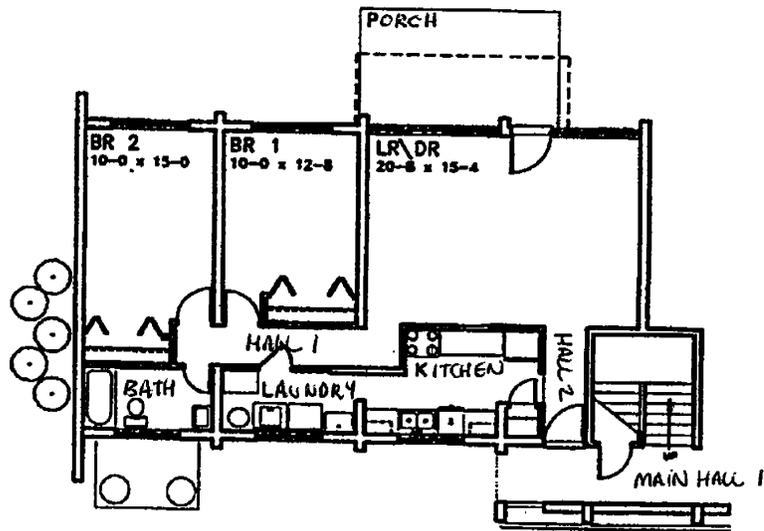
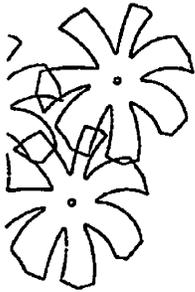
# **Algodones**

Naval Station Roosevelt Roads, PR

**C**omprehensive  
**N**eighborhood  
**P**lan



UPPER FLOOR PLAN



GROUND FLOOR PLAN

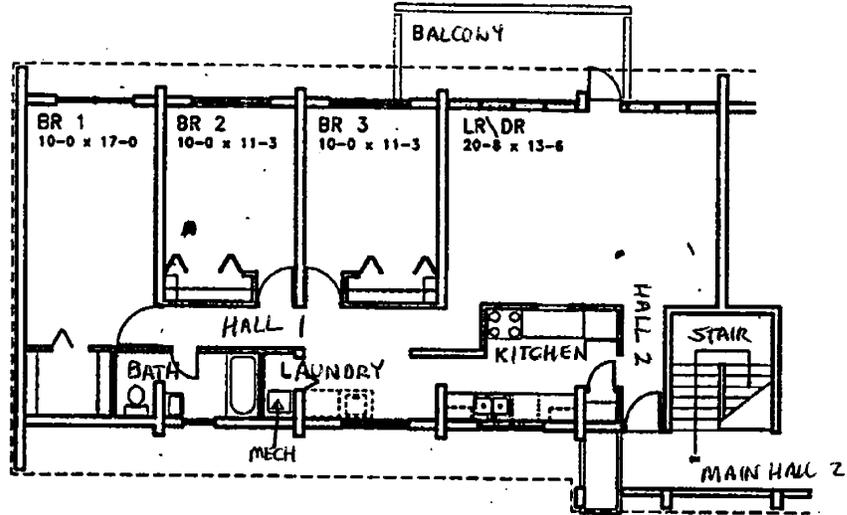
EXISTING FLOOR PLAN



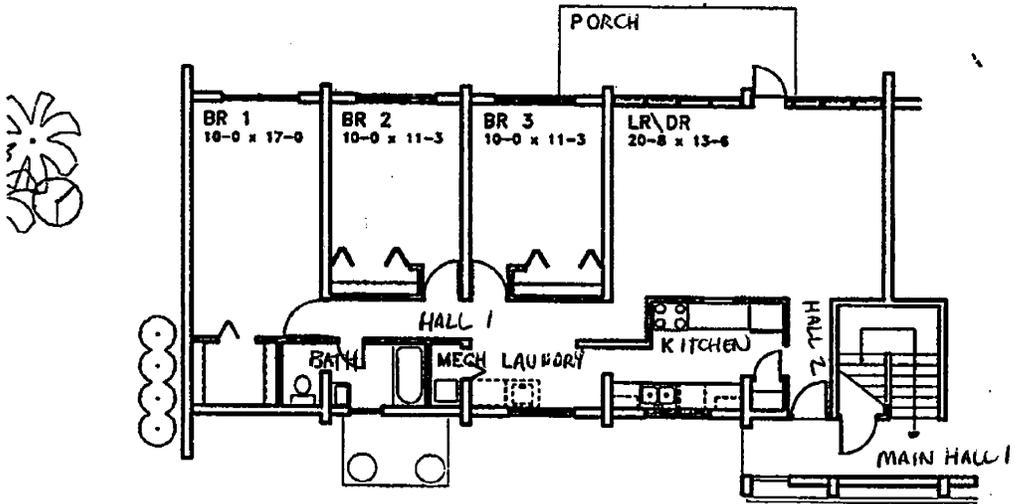
UNIT TYPE: EN2  
ALGODONES

Naval Station Roosevelt Roads, PR

**C**omprehensive  
**N**eighborhood  
**P**lan

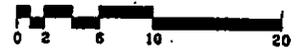


UPPER FLOOR PLAN



GROUND FLOOR PLAN

EXISTING FLOOR PLAN

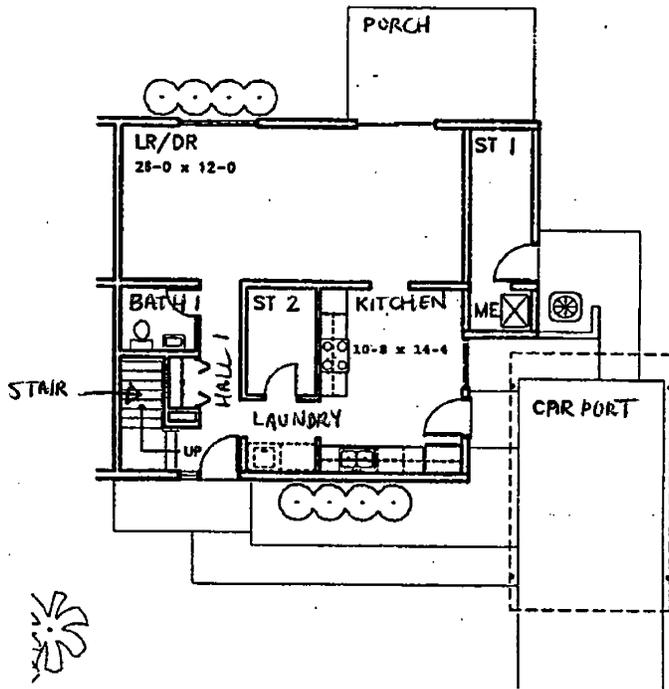


UNIT TYPE: EN3  
ALGODONES

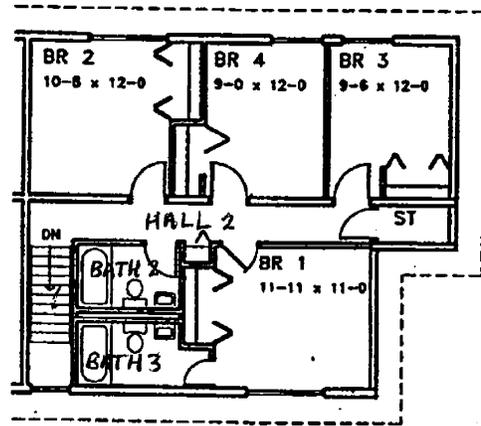
# **Caribe Breeze**

Naval Station Roosevelt Roads, PR

**C**omprehensive  
**N**eighborhood  
**P**lan



GROUND FLOOR PLAN



UPPER FLOOR PLAN

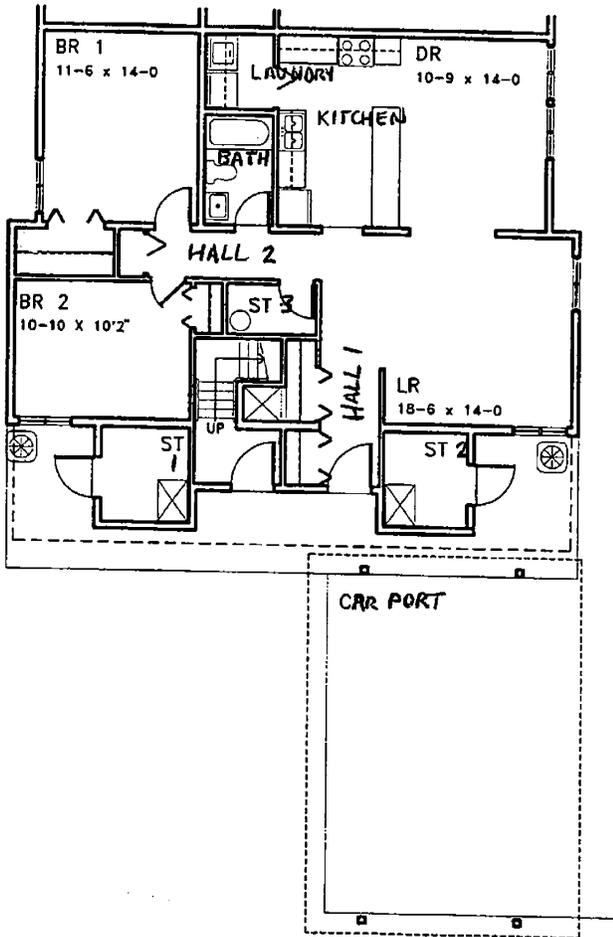
EXISTING FLOOR PLAN



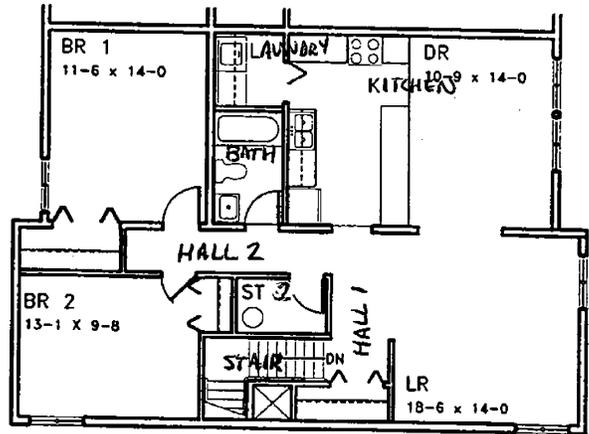
UNIT TYPE: EN4  
*Caribe Breeze*

5-30

CARIB



GROUND FLOOR PLAN



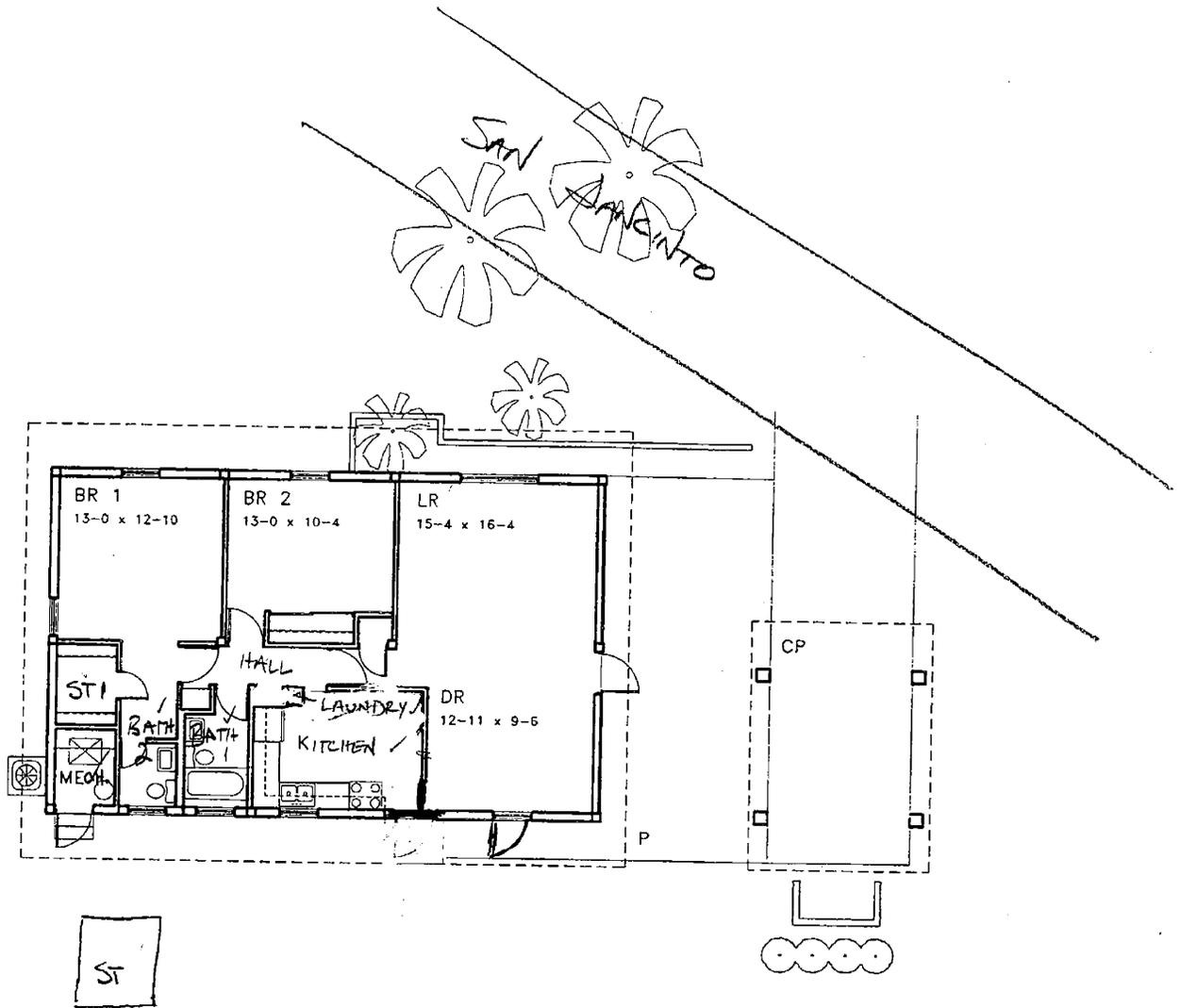
UPPER FLOOR PLAN

EXISTING FLOOR PLAN



UNIT TYPE: EN2  
Net Square Feet: 1023

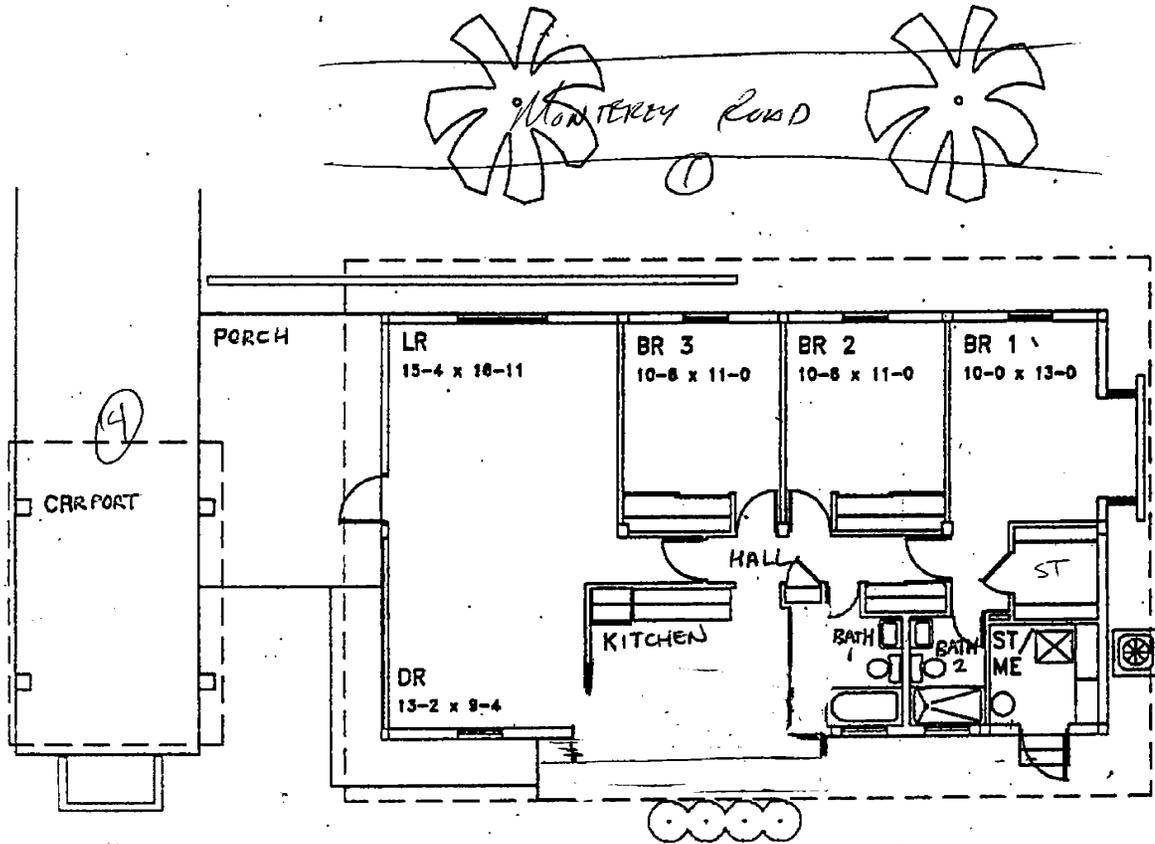
# Cascajo Point



EXISTING FLOOR PLAN

**UNIT TYPE: JR2**  
*Net Square Feet: 1061*

30 MONTEREY MIRROR IMAGE



EXISTING UNIT TYPE:

JR3

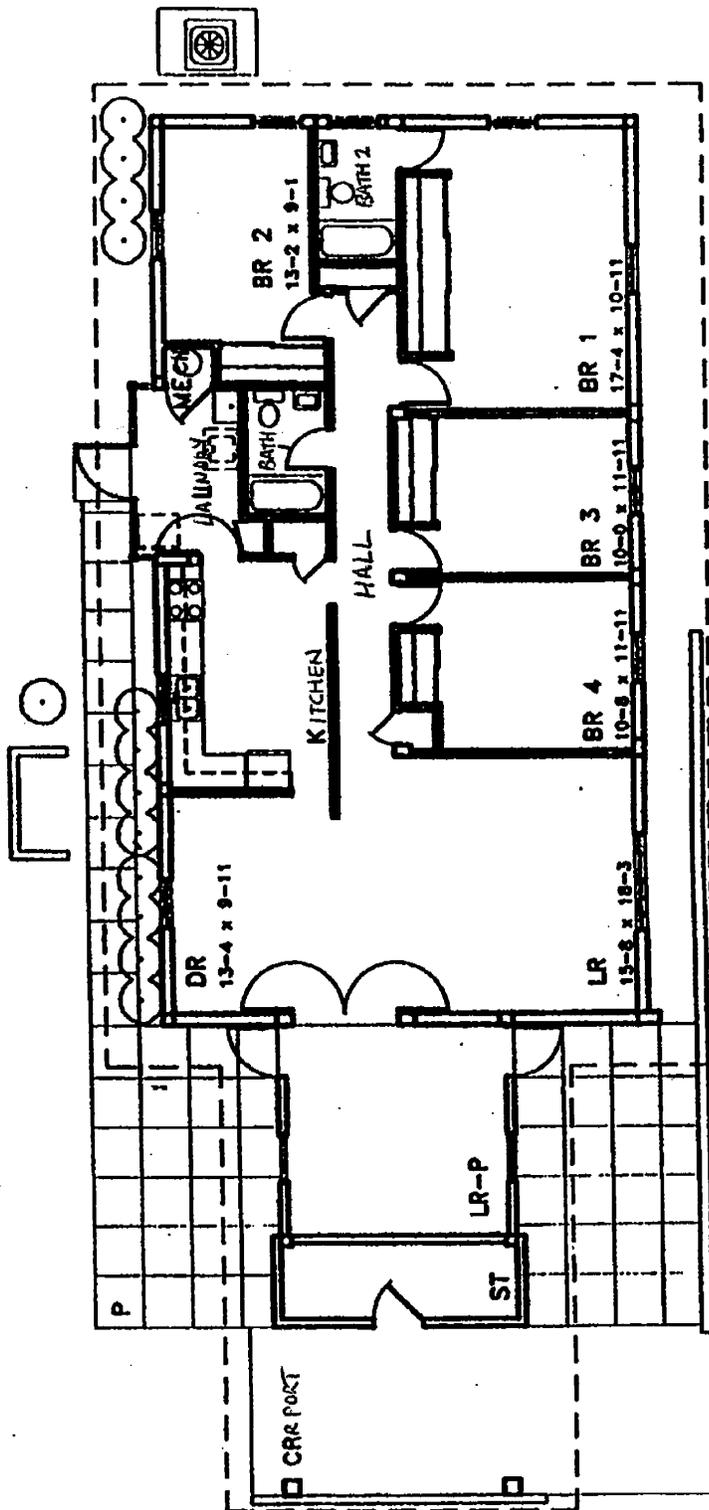
NET SQUARE FEET: 1070

EXISTING FLOOR PLAN

CASCADO

val Station Roosevelt Roads, PR

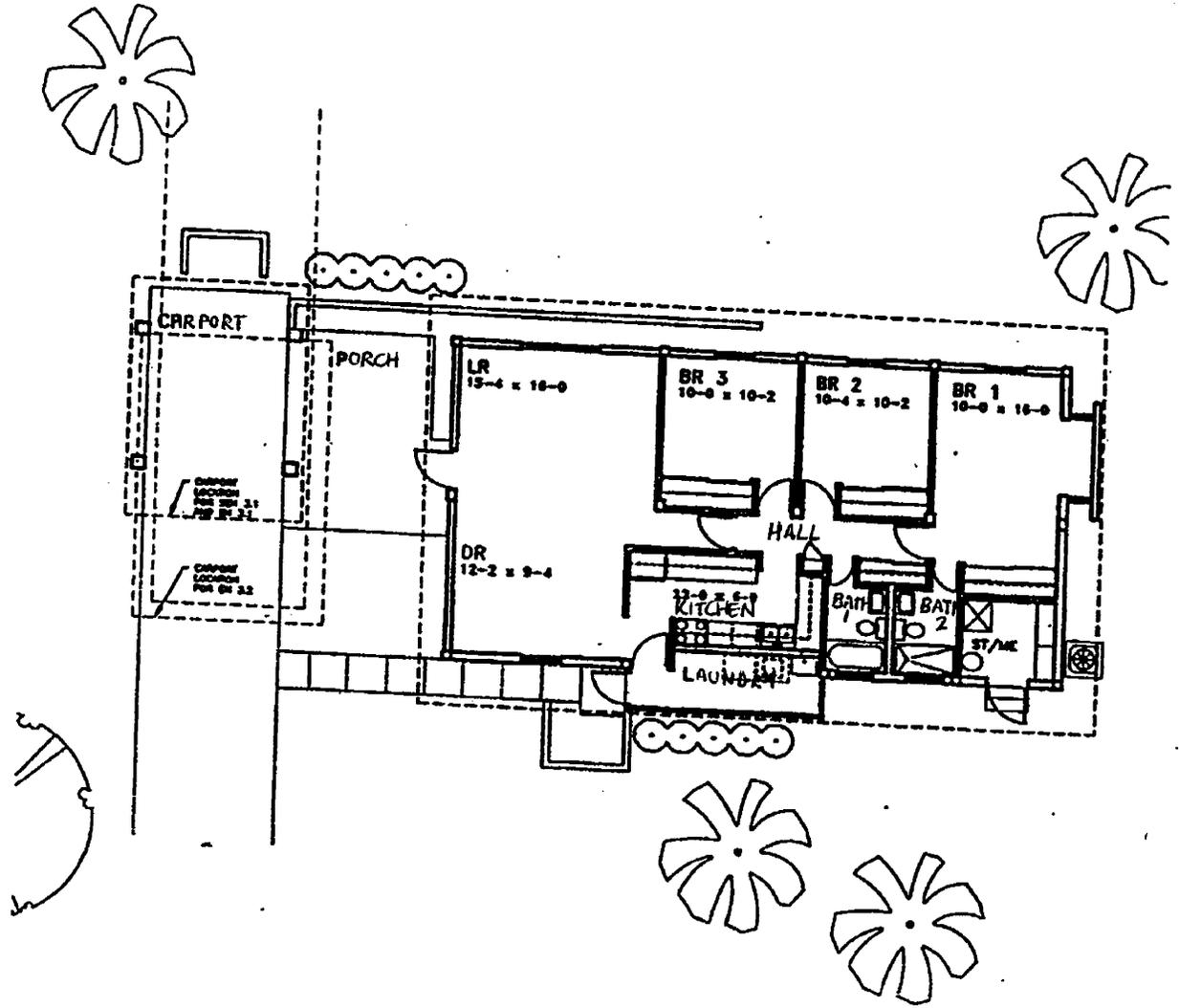
Comprehensive  
Neighborhood  
Plan



UNIT TYPE: :  
5B4

CASCAJO

# Coast Guard



EXISTING FLOOR PLAN

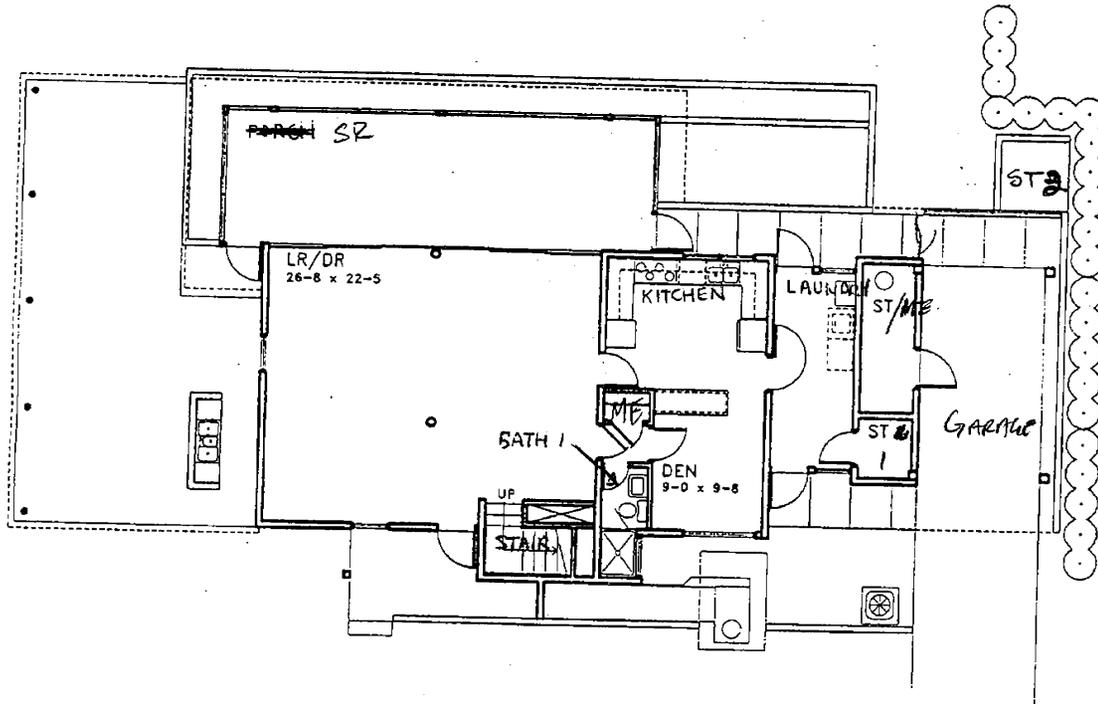
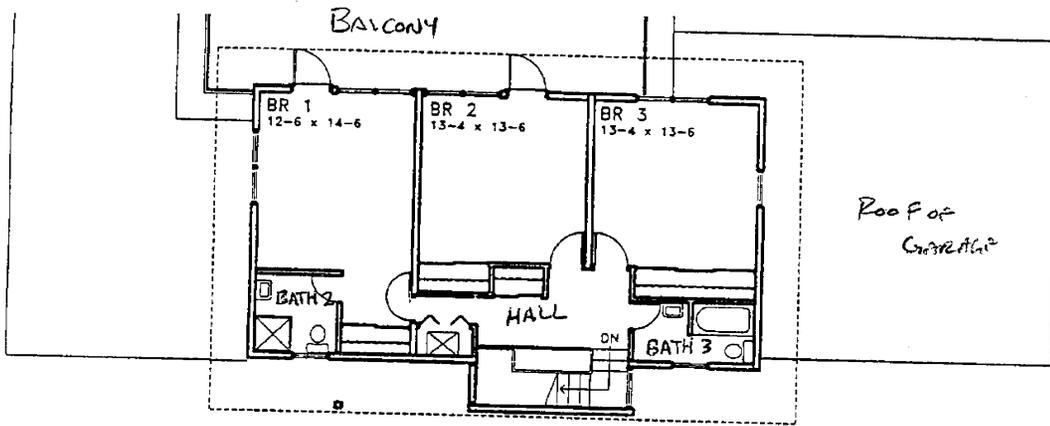


UNIT TYPE: ENSEN3

4-66

Coast Guard

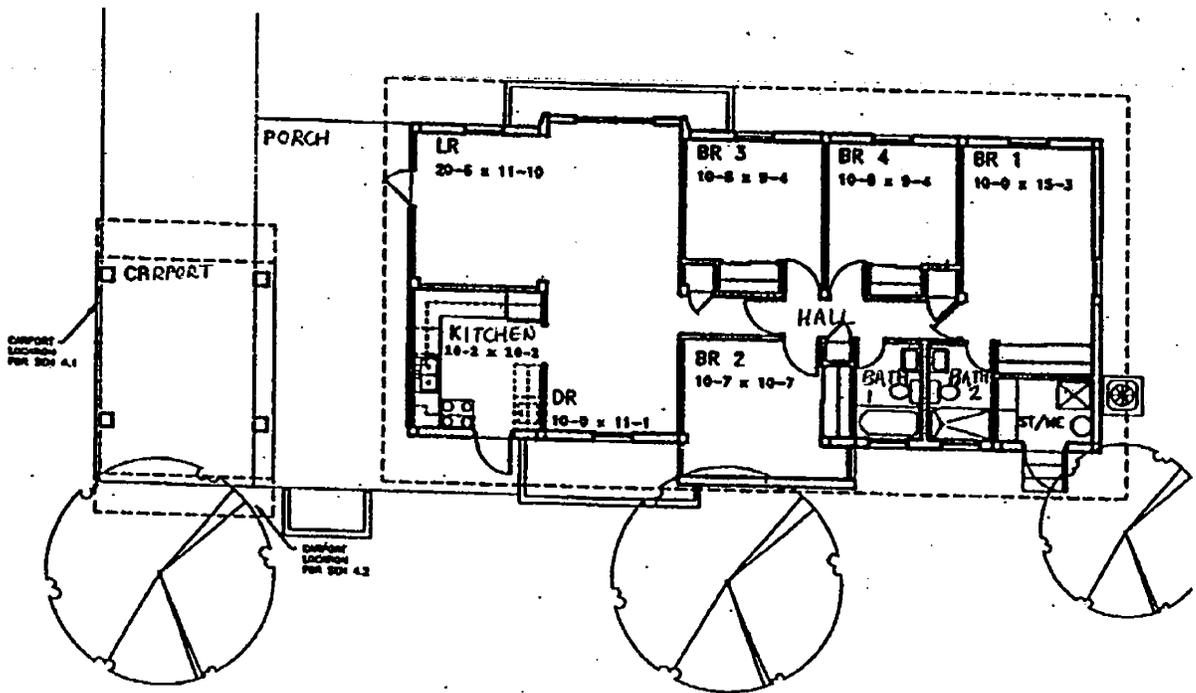
# **FDR Drive**



3BR

UNIT TYPE: FLAG  
Net Square Feet: 2105

# **Manatee Bay**



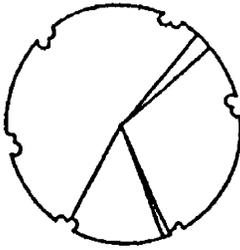
EXISTING FLOOR PLAN



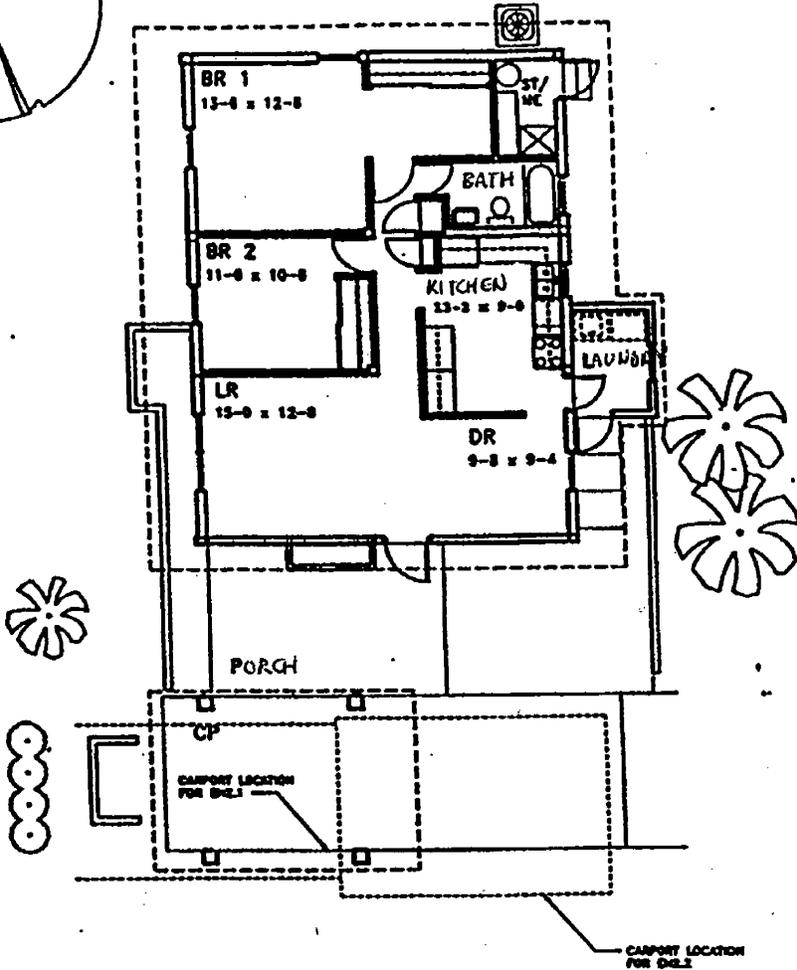
UNIT TYPE: ENSEN4

Naval Station Roosevelt Roads, PR

**C**omprehensive  
**N**eighborhood  
**P**lan



*HOUSE*



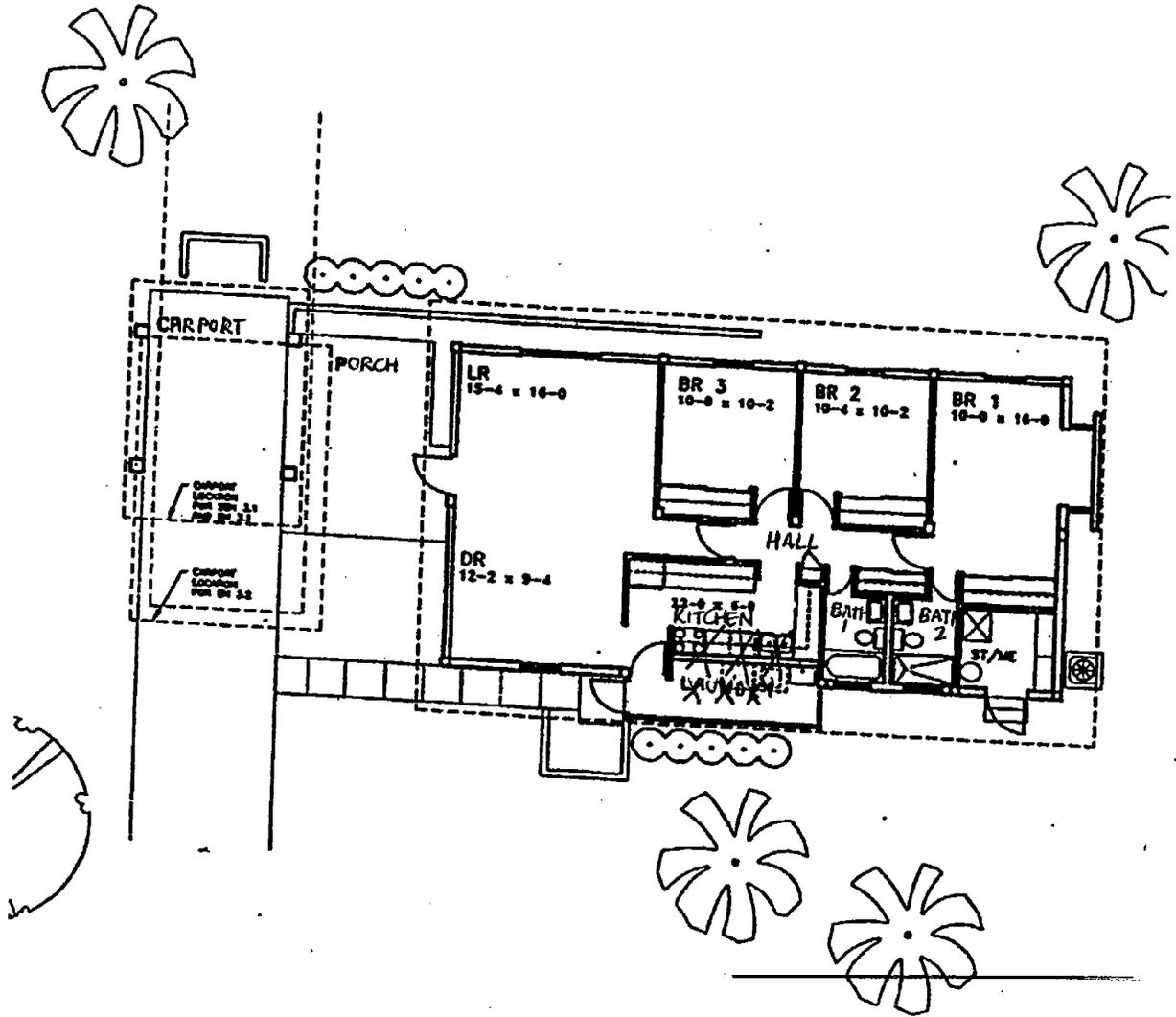
EXISTING FLOOR PLAN



UNIT TYPE: EN2

Naval Station Roosevelt Roads, PR

**C  
N  
P** Comprehensive  
neighborhood  
plan



No Laundry (only kitchen)  
EXISTING FLOOR PLAN



UNIT TYPE: ENSEN3

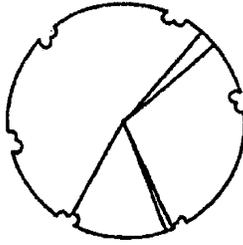
4-66

MANAT

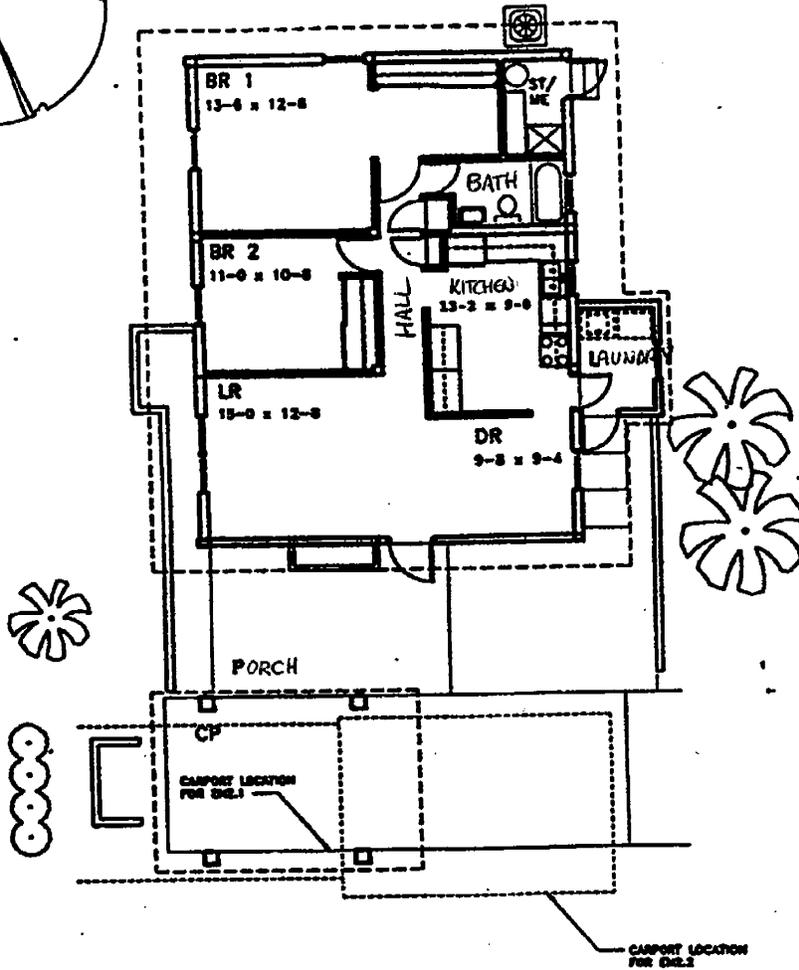
# **Mangrove Manor**

Naval Station Roosevelt Roads, PR

**C**omprehensive  
**N**eighborhood  
**P**lan



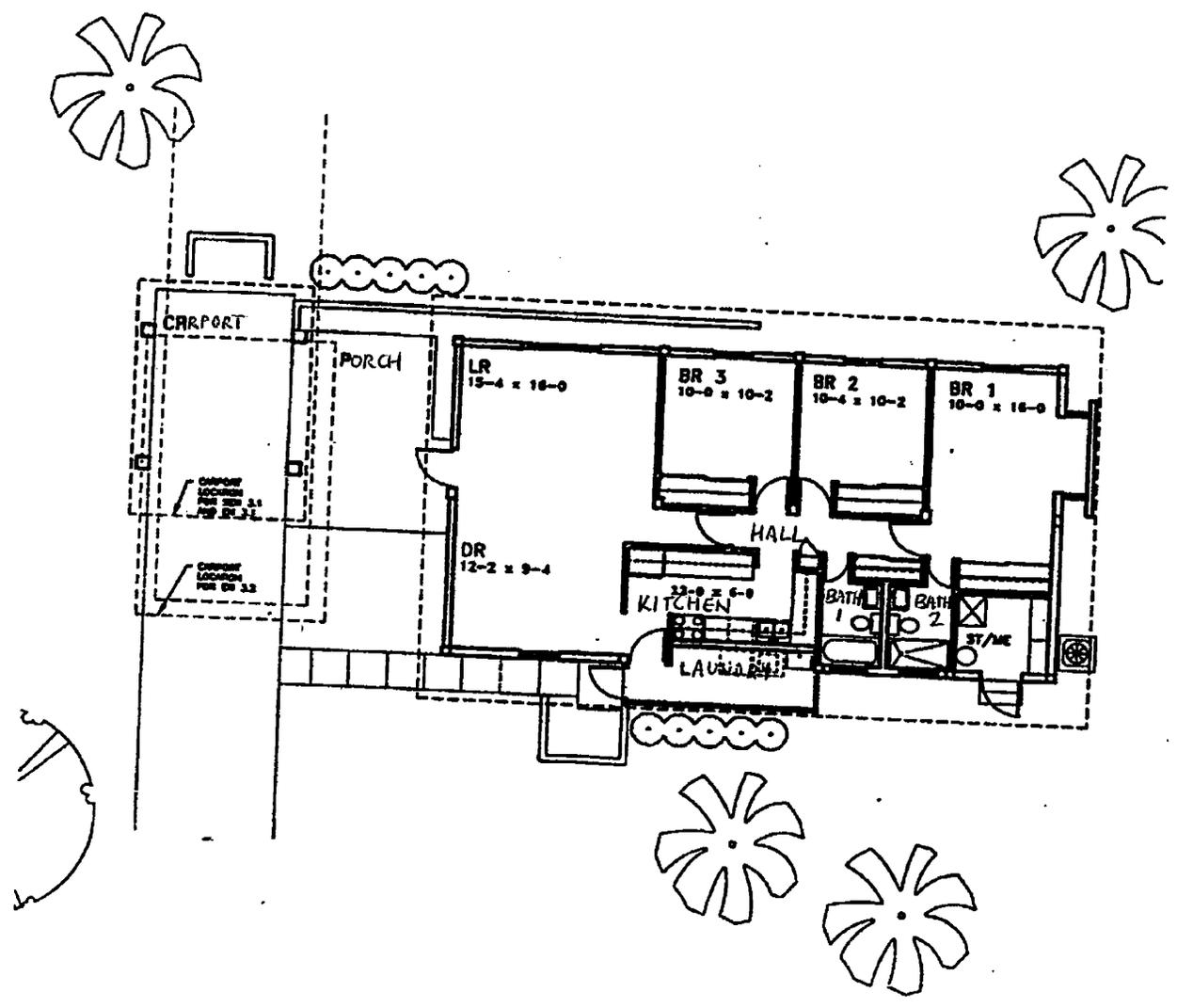
HOUSE



EXISTING FLOOR PLAN



UNIT TYPE: EN2



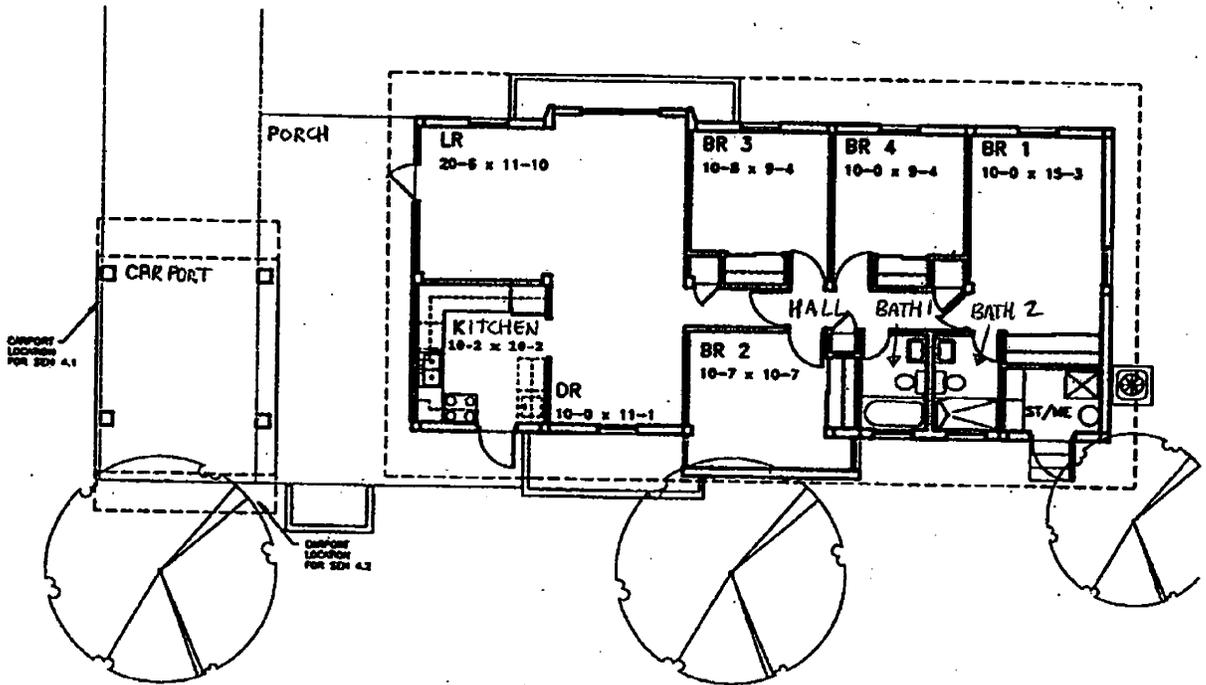
EXISTING FLOOR PLAN



UNIT TYPE: ENSEN3

4-66

MAN GROVE

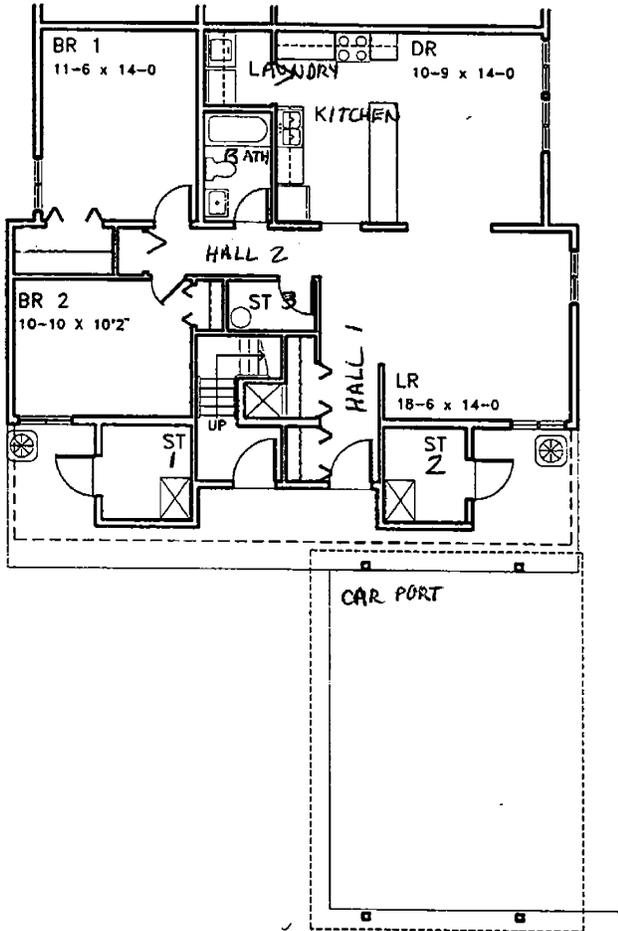


EXISTING FLOOR PLAN

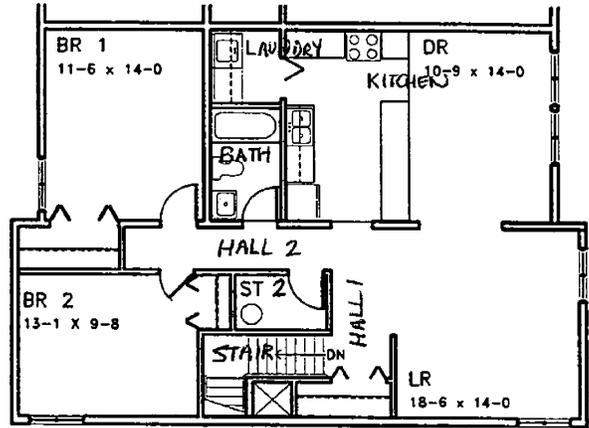


UNIT TYPE: ENSEN4

# **Rainbow Hill**



GROUND FLOOR PLAN

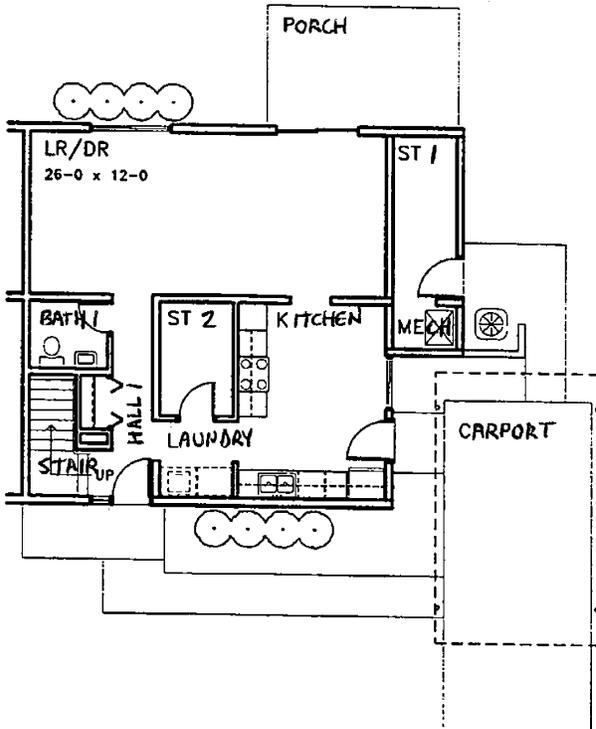


UPPER FLOOR PLAN

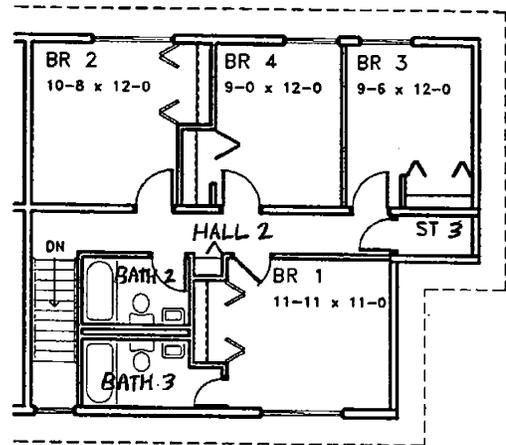
EXISTING FLOOR PLAN



**UNIT TYPE: EN2**  
*Net Square Feet: 1023*



GROUND FLOOR PLAN

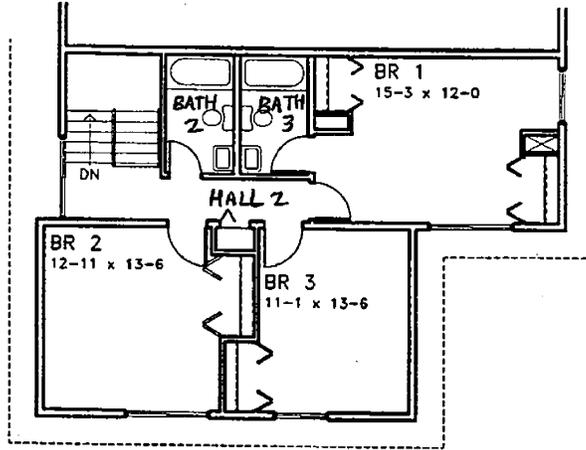


UPPER FLOOR PLAN

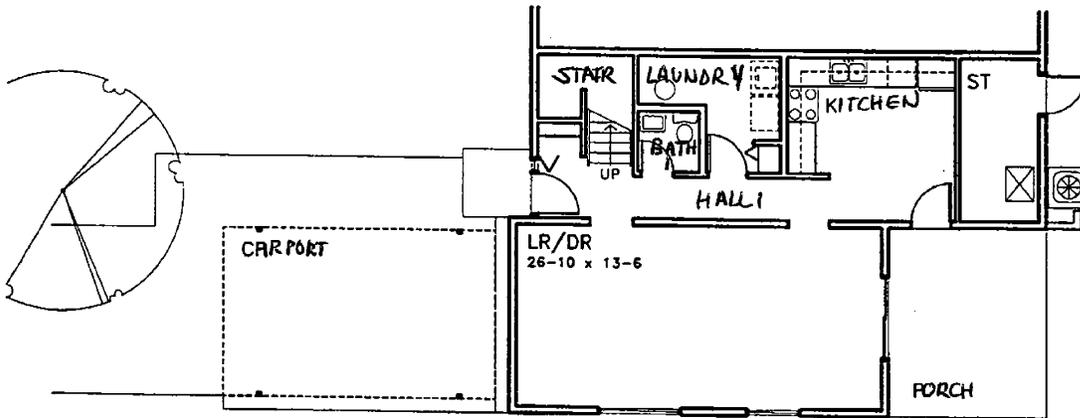
EXISTING FLOOR PLAN



**UNIT TYPE: EN4**  
*Net Square Feet: 1312*



UPPER FLOOR PLAN



GROUND FLOOR PLAN

EXISTING FLOOR PLAN



**UNIT TYPE: JRSEN3**  
*Net Square Feet: 1355*

**Appendix C**  
**Analytical Laboratory Reports**

# Algodones

# SCHNEIDER LABORATORIES INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117  
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-353-6928

*Excellence in Service and Technology*

AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593

## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

**ACCOUNT:** 1929-05-1014  
**CLIENT:** Baker Enviro - Michael Baker Jr, Inc.  
**ADDRESS:** 100 Airside Dr Airside Business Park  
Moon Township, PA 15108  
**DATE COLLECTED:** 2/ 9/2005  
**DATE RECEIVED:** 2/15/2005  
**DATE ANALYZED:** 2/28/2005  
**DATE REPORTED:** 3/ 1/2005  
**PO NO.:**  
**PROJECT NAME:** Algodones Fam Hsing  
**PROJECT NO.:** 104579/104655  
**JOB LOCATION:**

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-001A	28372754 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0215-Algod-001B	28372755 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0205-Algod-001C	28372756 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0205-Algod-001D	28372757 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0205-Algod-001E	28372758 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0205-Algod-002A	28372759 Layer 1: <b>100% Non-Asbestos</b>	Adhesive	No	Brown, Soft NON FIBROUS MATERIAL 100%

*Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.*

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-002B	28372760	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-002C	28372761	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-002D	28372762	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-002E	28372763	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-003A	28372764	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-003B	28372765	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-003C	28372766	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-004A	28372767	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-004B	28372768	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-004C	28372769	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%
0205-Algod-004D	28372770	Layer 1: Adhesive <b>100% Non-Asbestos</b>	<b>No</b>	Brown, Soft NON FIBROUS MATERIAL 100%

*Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.*

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-004E	28372771	Layer 1: Adhesive	No	Brown, Soft
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0205-Algod-004F	28372772	Layer 1: Adhesive	No	Brown, Soft
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0205-Algod-004G	28372773	Layer 1: Adhesive	No	Brown, Soft
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0205-Algod-005A	28372774	Layer 1: Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
	Layer 2: Joint Compound	No	White, Granular	
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3: Wallboard/JC	No	White, Powdery/Granular	
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
0205-Algod-005B	28372775	Layer 1: Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
	Layer 2: Joint Compound	No	White, Granular	
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3: Wallboard/JC	No	White, Powdery/Granular	
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
0205-Algod-005C	28372776	Layer 1: Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
	Layer 2: Joint Compound	No	White, Granular	
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3: Wallboard/JC	No	White, Powdery/Granular	
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-005D	28372777			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
0205-Algod-005E	28372778			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
0205-Algod-005F	28372779			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
0205-Algod-005G	28372780			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 6%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Wallboard/JC	No	White, Powdery/Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-006A	28372781 Layer 1: Flooring		<b>Yes</b>	Beige, Organically Bound
				<b>6% Asbestos</b> CHRYSTILE 6%
				<b>94% Non-Asbestos</b> NON FIBROUS MATERIAL 94%
0205-Algod-006B	28372782 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-006C	28372783 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-006D	28372784 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-006E	28372785 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-006F	28372786 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-006G	28372787 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-007A	28372788 Layer 1: Adhesive		<b>Yes</b>	Black, Bituminous
				<b>8% Asbestos</b> CHRYSTILE 8%
				<b>92% Non-Asbestos</b> NON FIBROUS MATERIAL 92%
0205-Algod-007B	28372789 Layer 1: Adhesive			<b>Not analyzed due to positive stop instructions.</b>
0205-Algod-007C	28372790 Layer 1: Adhesive			<b>Not analyzed due to positive stop instructions.</b>

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-007D	28372791	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-Algod-007E	28372792	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-Algod-007F	28372793	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-Algod-007G	28372794	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-Algod-008A	28372795	Layer 1: Adhesive	<b>No</b>	Brown, Brittle
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0205-Algod-008B	28372796	Layer 1: Adhesive	<b>No</b>	Brown, Brittle
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0205-Algod-008C	28372797	Layer 1: Adhesive	<b>No</b>	Brown, Brittle
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0205-Algod-009A	28372798	Layer 1: Sink Coating	<b>No</b>	Cream, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0205-Algod-009B	28372799	Layer 1: Sink Coating	<b>No</b>	Cream, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0205-Algod-009C	28372800	Layer 1: Sink Coating	<b>No</b>	Cream, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0205-Algod-010A	28372801	Layer 1: Flooring	<b>Yes</b>	Gray, Organically Bound
		<b>5% Asbestos</b>		CHRYSOTILE 5%
		<b>95% Non-Asbestos</b>		NON FIBROUS MATERIAL 95%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-Algod-010B	28372802	Layer 1: Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0205-Algod-010C	28372803	Layer 1: Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0205-Algod-010D	28372804	Layer 1: Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0205-Algod-010E	28372805	Layer 1: Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0205-Algod-011A	28372806	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-Algod-011B	28372807	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-Algod-011C	28372808	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-Algod-011D	28372809	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-Algod-011E	28372810	Layer 1: Adhesive	Yes	Black, Bituminous
		<b>10% Asbestos</b>	CHRYSTOLE 10%	
		<b>90% Non-Asbestos</b>	NON FIBROUS MATERIAL 90%	

ANALYST: OMAR ABOUZAKI

Total no. of pages in report = 7



REVIEWED BY Sami A. Hosn, Asst. Lab Director

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# **Caribe Breeze**

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## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

<b>ACCOUNT:</b>	1929-05-745	<b>DATE COLLECTED:</b>	1/18/05
<b>CLIENT:</b>	Baker Enviro - Michael Baker Jr, Inc.	<b>DATE RECEIVED:</b>	1/26/05
<b>ADDRESS:</b>	100 Airside Dr Airside Business Park Moon Township, PA 15108	<b>DATE ANALYZED:</b>	2/ 1/05
<b>PO NO.:</b>		<b>DATE REPORTED:</b>	2/ 2/05
<b>PROJECT NAME:</b>	Caribe Breeze		
<b>PROJECT NO.:</b>	104579/104655		
<b>JOB LOCATION:</b>	Family Housing		

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-001A	28342367 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-001B	28342368 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-001C	28342369 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-001D	28342370 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-001E	28342371 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-001F	28342372 Layer 1: Flooring <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-001G	28342373 Layer 1: Flooring <b>100% Non-Asbestos</b>	Flooring	No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-002A	28342374 Layer 1: Adhesive <b>100% Non-Asbestos</b> <i>No Black Adhesive Found</i>	Adhesive	No	Yellow, Brittle NON FIBROUS MATERIAL 100%
0105-CARIB-002B	28342375 Layer 1: Adhesive <b>100% Non-Asbestos</b> <i>No Black Adhesives Found</i>	Adhesive	No	Yellow, Brittle NON FIBROUS MATERIAL 100%
0105-CARIB-002C	28342376 Layer 1: Adhesive <b>100% Non-Asbestos</b> <i>No black Adhesive Found</i>	Adhesive	No	Yellow, Brittle NON FIBROUS MATERIAL 100%
0105-CARIB-002D	28342377 Layer 1: Adhesives <b>3% Asbestos</b> <b>97% Non-Asbestos</b> <i>Unable to separate individual layers.</i>	Adhesives	Yes	Black/Yellow, Bituminous, Soft CHRYBOTILE 3% NON FIBROUS MATERIAL 97%
0105-CARIB-002E	28342378 Layer 1: Adhesives <i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>	Adhesives		
0105-CARIB-002F	28342379 Layer 1: Adhesives <i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>	Adhesives		
0105-CARIB-002G	28342380 Layer 1: Adhesive <b>100% Non-Asbestos</b> <i>No Black Adhesive Found</i>	Adhesive	No	Yellow, Soft NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-003A 28342381	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0105-CARIB-003B 28342382	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0105-CARIB-003C 28342383	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0105-CARIB-003D 28342384	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0105-CARIB-003E 28342385	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER	4%	NON FIBROUS MATERIAL 96%
<hr/>				
0105-CARIB-003F	28342386			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER	4%	NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER	4%	NON FIBROUS MATERIAL 96%
<hr/>				
0105-CARIB-003G	28342387			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER	4%	NON FIBROUS MATERIAL 96%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER	4%	NON FIBROUS MATERIAL 96%
<hr/>				
0105-CARIB-004A	28342388			
	Layer 1:	Adhesives	No	Beige/Brown, Soft, Brittle
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	<i>Unable to separate individual layers.</i>			
<hr/>				
0105-CARIB-004B	28342389			
	Layer 1:	Adhesives	No	Beige/Brown, Soft, Brittle
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	<i>Unable to separate individual layers.</i>			
<hr/>				
0105-CARIB-004C	28342390			
	Layer 1:	Adhesives	No	Beige/Brown, Soft, Brittle
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	<i>Unable to separate individual layers.</i>			
<hr/>				
0105-CARIB-005A	28342391			
	Layer 1:	Plaster	No	Gray, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	
	Layer 2:	Texture Material	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%	

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-005B	28342392	Layer 1: Plaster <b>100% Non-Asbestos</b>	<b>No</b>	Gray, Granular NON FIBROUS MATERIAL 100%
		Layer 2: Texture Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Granular NON FIBROUS MATERIAL 100%
0105-CARIB-005C	28342393	Layer 1: Texture Material <b>100% Non-Asbestos</b> <i>No Plaster Found</i>	<b>No</b>	Beige, Granular NON FIBROUS MATERIAL 85%, VERMICULITE 15%
0105-CARIB-005D	28342394	Layer 1: Texture Material <b>100% Non-Asbestos</b> <i>No Plaster Found</i>	<b>No</b>	White, Granular NON FIBROUS MATERIAL 100%
0105-CARIB-005E	28342395	Layer 1: Texture Material <b>100% Non-Asbestos</b> <i>No Plaster Found</i>	<b>No</b>	White, Granular NON FIBROUS MATERIAL 100%
0105-CARIB-005F	28342396	Layer 1: Texture Material <b>100% Non-Asbestos</b> <i>No plaster Found</i>	<b>No</b>	White, Granular NON FIBROUS MATERIAL 100%
0105-CARIB-005G	28342397	Layer 1: Texture Material <b>100% Non-Asbestos</b> <i>No plaster Found</i>	<b>No</b>	White, Granular NON FIBROUS MATERIAL 100%
0105-CARIB-006A	28342398	Layer 1: Soft Material <b>100% Non-Asbestos</b>	<b>No</b>	Beige, Soft CELLULOSE FIBER 20%, NON FIBROUS MATERIAL 80%
0105-CARIB-006B	28342399	Layer 1: Soft Material <b>100% Non-Asbestos</b>	<b>No</b>	Beige, Soft CELLULOSE FIBER 20%, NON FIBROUS MATERIAL 80%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-006C	28342400 Layer 1: Soft Material <b>100% Non-Asbestos</b>		No	Beige, Soft CELLULOSE FIBER 20%, NON FIBROUS MATERIAL 80%
0105-CARIB-007A	28342401 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007B	28342402 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007C	28342403 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007D	28342404 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007E	28342405 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007F	28342406 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-007G	28342407 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	White/Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-CARIB-008A	28342408 Layer 1: Adhesive <b>100% Non-Asbestos</b> <b>No Black Adhesive Found</b>		No	Yellow, Brittle NON FIBROUS MATERIAL 100%
0105-CARIB-008B	28342409 Layer 1: Adhesive <b>100% Non-Asbestos</b> <b>No black Adhesive Found</b>		No	Yellow, Brittle NON FIBROUS MATERIAL 100%

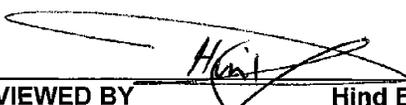
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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-008C	28342410	Layer 1: Adhesives	<b>Yes</b>	Yellow/Black, Brittle, Bituminous
		<b>4% Asbestos</b>		CHRYSTILE 4%
		<b>96% Non-Asbestos</b>		NON FIBROUS MATERIAL 96%
		<i>Unable to separate individual layers.</i>		
0105-CARIB-008D	28342411	Layer 1: Adhesives		
		<i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>		
0105-CARIB-008E	28342412	Layer 1: Adhesives		
		<i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>		
0105-CARIB-008F	28342413	Layer 1: Adhesives		
		<i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>		
0105-CARIB-008G	28342414	Layer 1: Adhesives		
		<i>Not analyzed due to positive stop instructions. Unable to separate individual layers.</i>		
0105-CARIB-009A	28342415	Layer 1: Wall Plaster	<b>No</b>	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-CARIB-009B	28342416	Layer 1: Wall Plaster	<b>No</b>	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-CARIB-009C	28342417	Layer 1: Wall Plaster	<b>No</b>	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-CARIB-009D	28342418	Layer 1: Wall Plaster	<b>No</b>	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-CARIB-009E	28342419	Layer 1: Wall Plaster	<b>No</b>	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-CARIB-009F	28342420	Layer 1: Wall Plaster	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
0105-CARIB-009G	28342421	Layer 1: Wall Plaster	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%

**ANALYST: FATIMA ELTAYAR**  
 Total no. of pages in report = 8

  
 REVIEWED BY Hind Eldanaf, Analyst

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# Cascajo Point

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## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

<b>ACCOUNT:</b>	1929-05-895	<b>DATE COLLECTED:</b>	1/27/2005
<b>CLIENT:</b>	Baker Enviro - Michael Baker Jr, Inc.	<b>DATE RECEIVED:</b>	2/ 1/2005
<b>ADDRESS:</b>	100 Airside Dr Airside Business Park	<b>DATE ANALYZED:</b>	2/ 6/2005
	Moon Township, PA 15108	<b>DATE REPORTED:</b>	2/ 8/2005
<b>PO NO.:</b>			
<b>PROJECT NAME:</b>	Cascajo Point Family		
<b>PROJECT NO.:</b>	104579/104655		
<b>JOB LOCATION:</b>			

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
<hr/>				
0105-Casca-001A	28352123			
	Layer 1:	Wallboard	<b>No</b>	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
	Layer 2:	Joint Compound	<b>No</b>	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Wallboard/Joint Cmpd	<b>No</b>	White, Powdery, Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
<hr/>				
0105-Casca-001B	28352124			
	Layer 1:	Wallboard	<b>No</b>	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
	Layer 2:	Joint Compound	<b>No</b>	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Wallboard/Joint Cmpd	<b>No</b>	White, Powdery, Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
<hr/>				
0105-Casca-001C	28352125			
	Layer 1:	Wallboard	<b>No</b>	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
0105-Casca-001D	28352126			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
0105-Casca-001E	28352127			
	Layer 1:	Flooring	No	Tan, Organically Bound
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
		<b>Sample not as described on COC.</b>		
0105-Casca-001F	28352128			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
0105-Casca-001G	28352129			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL		94%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-Casca-002A	28352130 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002B	28352131 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002C	28352132 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002D	28352133 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002E	28352134 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002F	28352135 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-002G	28352136 Layer 1: <b>100% Non-Asbestos</b>	Flooring	<b>No</b>	Tan, Organically Bound NON FIBROUS MATERIAL 100%
0105-Casca-003A	28352137 Layer 1: <b>&lt; 1% (Trace) Asbestos</b> <b>100% Non-Asbestos</b> <i>Unable to separate individual layers.</i>	Adhesives	<b>Yes</b>	Yellow/Black, Soft, Bituminous CHRYSOTILE < 1% NON FIBROUS MATERIAL 100%
0105-Casca-003B	28352138 Layer 1: <b>&lt; 1% (Trace) Asbestos</b> <b>100% Non-Asbestos</b> <i>Unable to separate individual layers.</i>	Adhesives	<b>Yes</b>	Black/Yellow, Bituminous, Soft CHRYSOTILE < 1% NON FIBROUS MATERIAL 100%
0105-Casca-003C	28352139 Layer 1: <b>&lt; 1% (Trace) Asbestos</b> <b>100% Non-Asbestos</b> <i>Unable to separate individual layers.</i>	Adhesives	<b>Yes</b>	Black/Yellow, Bituminous, Soft CHRYSOTILE < 1% NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-Casca-003D	28352140	Layer 1: Adhesives	<b>Yes</b>	Black/Yellow, Bituminous, Soft
		<b>&lt; 1% (Trace) Asbestos</b>		CHRYBOTILE < 1%
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		<b>Unable to separate individual layers.</b>		
0105-Casca-003E	28352141	Layer 1: Adhesives	<b>Yes</b>	Black/Yellow, Bituminous, Soft
		<b>2% Asbestos</b>		CHRYBOTILE 2%
		<b>98% Non-Asbestos</b>		NON FIBROUS MATERIAL 98%
		<b>Unable to separate individual layers.</b>		
0105-Casca-003F	28352142	Layer 1: Adhesives		
		<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>		
0105-Casca-003G	28352143	Layer 1: Adhesives		
		<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>		
0105-Casca-004A	28352144	Layer 1: Granular Material	<b>No</b>	Beige, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 7%, NON FIBROUS MATERIAL 93%
0105-Casca-004B	28352145	Layer 1: Granular Material	<b>No</b>	Beige, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 7%, NON FIBROUS MATERIAL 93%
0105-Casca-004C	28352146	Layer 1: Granular Material	<b>No</b>	Beige, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 7%, NON FIBROUS MATERIAL 93%
0105-Casca-005A	28352147	Layer 1: Granular Material	<b>No</b>	Gray, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-Casca-005B	28352148	Layer 1: Granular Material	<b>No</b>	Gray, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-Casca-005C	28352149	Layer 1: Granular Material	<b>No</b>	Gray, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-Casca-005D	28352150	Layer 1: Granular Material	No	Gray, Granular
		100% Non-Asbestos		NON FIBROUS MATERIAL 100%
0105-Casca-005E	28352151	Layer 1: Granular Material	No	Gray, Granular
		100% Non-Asbestos		NON FIBROUS MATERIAL 100%
0105-Casca-005F	28352152	Layer 1: Granular Material	No	Gray, Granular
		100% Non-Asbestos		NON FIBROUS MATERIAL 100%
0105-Casca-005G	28352153	Layer 1: Granular Material	No	Gray, Granular
		100% Non-Asbestos		NON FIBROUS MATERIAL 100%

**ANALYST: SAMANI ABDEL FADIEL**

Total no. of pages in report = 5



**REVIEWED BY Sami A. Hosn, Asst. Lab Director**

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# Coast Guard

# SCHNEIDER LABORATORIES INCORPORATED

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AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593

## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

**ACCOUNT:** 1929-05-963  
**CLIENT:** Baker Enviro - Michael Baker Jr, Inc.  
**ADDRESS:** 100 Airside Dr Airside Business Park  
Moon Township, PA 15108

**DATE COLLECTED:** 2/ 1/2005  
**DATE RECEIVED:** 2/10/2005  
**DATE ANALYZED:** 2/22/2005  
**DATE REPORTED:** 2/23/2005

**PO NO.:**  
**PROJECT NAME:** COAST GUARD F.H.  
**PROJECT NO.:** 104579/104655  
**JOB LOCATION:**

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-COAST-001/28366334	Layer 1: <b>100% Non-Asbestos</b>	Floor Tile	<b>No</b>	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-COAST-001E28366335	Layer 1: <b>100% Non-Asbestos</b>	Floor Tile	<b>No</b>	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-COAST-001C28366336	Layer 1: <b>100% Non-Asbestos</b>	Floor Tile	<b>No</b>	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-COAST-001I28366337	Layer 1: <b>100% Non-Asbestos</b>	Floor Tile	<b>No</b>	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-COAST-001E28366338	Layer 1: <b>100% Non-Asbestos</b>	Floor Tile	<b>No</b>	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-COAST-002/28366339	Layer 1: <b>100% Non-Asbestos</b>	Mastic/Granular Mtl.	<b>No</b>	Black/White, Bituminous, Granular NON FIBROUS MATERIAL 100% <i>Unable to separate individual layers.</i>

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-COAST-002E28366340	Layer 1:	Mastic/Granular Mtl.	No	Black/White, Bituminous, Granular 100% Non-Asbestos NON FIBROUS MATERIAL 100% <i>Unable to separate individual layers.</i>
0105-COAST-002C28366341	Layer 1:	Mastic/Granular Mtl.	No	Black/White, Bituminous, Granular 100% Non-Asbestos NON FIBROUS MATERIAL 100%, POLYETHYLENE < 1% <i>Unable to separate individual layers.</i>
0105-COAST-002E28366342	Layer 1:	Mastic/Granular Mtl.	No	Black/White, Bituminous, Granular 100% Non-Asbestos NON FIBROUS MATERIAL 100% <i>Unable to separate individual layers.</i>
0105-COAST-002E28366343	Layer 1:	Mastic/Granular Mtl.	No	Black/White, Bituminous, Granular 100% Non-Asbestos NON FIBROUS MATERIAL 100% <i>Unable to separate individual layers.</i>
0105-COAST-003/28366344	Layer 1:	Mastic	No	Brown, Brittle 100% Non-Asbestos NON FIBROUS MATERIAL 100%
0105-COAST-003E28366345	Layer 1:	Mastic	No	Brown, Brittle 100% Non-Asbestos NON FIBROUS MATERIAL 100%
0105-COAST-003C28366346	Layer 1:	Mastic	No	Brown, Brittle 100% Non-Asbestos NON FIBROUS MATERIAL 100%
0105-COAST-003E28366347	Layer 1:	Mastic	No	Dark Brown, Brittle, Rubbery 100% Non-Asbestos NON FIBROUS MATERIAL 100%
0105-COAST-003E28366348	Layer 1:	Mastic	No	Brown, Brittle, Rubbery 100% Non-Asbestos NON FIBROUS MATERIAL 100%
0105-COAST-004/28366349	Layer 1:	Wallboard	No	White, Powdery 100% Non-Asbestos CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 8%, NON FIBROUS MATERIAL		92%
<hr/>				
0105-COAST-004E28366350	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 8%, NON FIBROUS MATERIAL		92%
<hr/>				
0105-COAST-004C28366351	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 8%, NON FIBROUS MATERIAL		92%
<hr/>				
0105-COAST-004E28366352	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 8%, NON FIBROUS MATERIAL		92%
<hr/>				
0105-COAST-004E28366353	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 8%, NON FIBROUS MATERIAL		92%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-COAST-005/28366354	Layer 1: 100% Non-Asbestos	Glazing	No	White, Hard, Granular CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-005E28366355	Layer 1: 100% Non-Asbestos	Glazing	No	White, Hard, Granular NON FIBROUS MATERIAL 100%
0105-COAST-005C28366356	Layer 1: 100% Non-Asbestos	Glazing	No	White, Hard, Granular NON FIBROUS MATERIAL 100%
0105-COAST-005L28366357	Layer 1: 100% Non-Asbestos	Glazing	No	White, Hard, Granular NON FIBROUS MATERIAL 100%
0105-COAST-005E28366358	Layer 1: 100% Non-Asbestos	Glazing	No	White, Hard, Granular NON FIBROUS MATERIAL 100%
0105-COAST-006/28366359	Layer 1: 100% Non-Asbestos	Floor Tile	No	Light Brown, Organically Bound CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-006E28366360	Layer 1: 100% Non-Asbestos	Floor Tile	No	Light Brown, Organically Bound CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-006C28366361	Layer 1: 100% Non-Asbestos	Floor Tile	No	Light Brown, Organically Bound CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-006L28366362	Layer 1: 100% Non-Asbestos	Floor Tile	No	Light Brown, Organically Bound CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-006E28366363	Layer 1: 100% Non-Asbestos	Floor Tile	No	Light Brown, Organically Bound CELLULOSE FIBER < 1%, NON FIBROUS MATERIAL 100%
0105-COAST-007/28366364	Layer 1: 3% Asbestos 97% Non-Asbestos <i>Unable to separate individual layers.</i>	Mastic/Granular Mtl.	Yes	Black/Beige, Bituminous, Granular CHRYSTILE 3% CELLULOSE FIBER 7%, NON FIBROUS MATERIAL 90%

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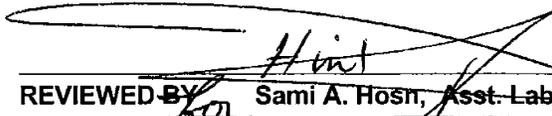
Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-COAST-007E28366365	Layer 1:	Mastic/Granular Mtl.		
				<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>
0105-COAST-007C28366366	Layer 1:	Mastic/Granular Mtl.		
				<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>
0105-COAST-007I28366367	Layer 1:	Mastic/Granular Mtl.		
				<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>
0105-COAST-007E28366368	Layer 1:	Mastic/Granular Mtl.		
				<b>Not analyzed due to positive stop instructions. Unable to separate individual layers.</b>
0105-COAST-008F28366369	Layer 1:	Floor Tile	<b>No</b>	Beige, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-COAST-008E28366370	Layer 1:	Floor Tile	<b>No</b>	Beige, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-COAST-008C28366371	Layer 1:	Floor Tile	<b>No</b>	Beige, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-COAST-008I28366372	Layer 1:	Floor Tile	<b>No</b>	Beige, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-COAST-008E28366373	Layer 1:	Floor Tile	<b>No</b>	Beige, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0105-COAST-009F28366374	Layer 1:	Mastics	<b>No</b>	Black/White, Bituminous, Rubbery
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
				<b>Unable to separate individual layers.</b>

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-COAST-009E28366375	Layer 1:	Mastics	No	Black/White, Bituminous, Rubbery
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		<i>Unable to separate individual layers.</i>		
0105-COAST-009C28366376	Layer 1:	Mastics	No	Black/White, Bituminous, Rubbery
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		<i>Unable to separate individual layers.</i>		
0105-COAST-009E28366377	Layer 1:	Mastics	No	Black/White, Bituminous, Rubbery
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		<i>Unable to separate individual layers.</i>		
0105-COAST-009E28366378	Layer 1:	Mastics	No	Black/White, Bituminous, Rubbery
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		<i>Unable to separate individual layers.</i>		
0105-COAST-010A28366379	Layer 1:	Granular Material	No	Off-White, Granular, Soft
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 12%, NON FIBROUS MATERIAL 88%
0105-COAST-010E28366380	Layer 1:	Granular Material	No	Off-White, Granular, Soft
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0105-COAST-010C28366381	Layer 1:	Granular Material	No	Off-White, Granular, Soft
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%

ANALYST: KATHERINE M. CHARLES

Total no. of pages in report = 6

REVIEWED BY  Sami A. Hosn, Asst. Lab Director

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## **FDR Drive**

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AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593

## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

**ACCOUNT:** 1929-05-1023  
**CLIENT:** Baker Enviro - Michael Baker Jr, Inc.  
**ADDRESS:** 100 Airside Dr Airside Business Park  
Moon Township, PA 15108  
**DATE COLLECTED:** 2/ 9/05  
**DATE RECEIVED:** 2/15/05  
**DATE ANALYZED:** 2/28/05  
**DATE REPORTED:** 3/ 1/05  
**PO NO.:**  
**PROJECT NAME:** FDR Drive Fam Hsing  
**PROJECT NO.:** 104579/104655  
**JOB LOCATION:**

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-001A	28372961			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 93%
0205-FDRD-001B	28372962			
	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, MINERAL/GLASS WOOL < 1%, NON FIBROUS MATERIAL 95%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-001C	28372963	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
0205-FDRD-001D	28372964	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
0205-FDRD-001E	28372965	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
0205-FDRD-001F	28372966	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-001G	28372967	Layer 1: Wallboard <b>100% Non-Asbestos</b>	No	White, Powdery CELLULOSE FIBER 8%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound <b>100% Non-Asbestos</b>	No	White, Granular NON FIBROUS MATERIAL 100%
		Layer 3: Wallboard/Joint Cmpd <b>100% Non-Asbestos</b>	No	White, Powdery, Granular CELLULOSE FIBER 5%, MINERAL/GLASS WOOL 4%, NON FIBROUS MATERIAL 91%
0205-FDRD-002A	28372968	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	Gray, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002B	28372969	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	Gray, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002C	28372970	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	Gray, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002D	28372971	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	Gray, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002E	28372972	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	Gray, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002F	28372973	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	White, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-002G	28372974	Layer 1: Granular Material <b>100% Non-Asbestos</b>	No	White, Granular NON FIBROUS MATERIAL 100%
0205-FDRD-003A	28372975	Layer 1: Sink Coating <b>100% Non-Asbestos</b>	No	Cream, Granular CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-003B	28372976 Layer 1: Sink Coating <b>100% Non-Asbestos</b>		No	Cream, Granular CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0205-FDRD-003C	28372977 Layer 1: Sink Coating <b>100% Non-Asbestos</b>		No	Cream, Granular CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
0205-FDRD-004A	28372978 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	Brown, Organically Bound CELLULOSE FIBER 2%, NON FIBROUS MATERIAL 98%
0205-FDRD-004B	28372979 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	Brown, Organically Bound CELLULOSE FIBER 2%, NON FIBROUS MATERIAL 98%
0205-FDRD-004C	28372980 Layer 1: Flooring <b>100% Non-Asbestos</b>		No	Brown, Organically Bound CELLULOSE FIBER 2%, NON FIBROUS MATERIAL 98%
0205-FDRD-005A	28372981 Layer 1: Adhesive <b>8% Asbestos</b> <b>92% Non-Asbestos</b>		Yes	Black, Bituminous CHRYSOTILE 8% NON FIBROUS MATERIAL 92%
0205-FDRD-005B	28372982 Layer 1: Adhesive <b>Not analyzed due to positive stop instructions.</b>			
0205-FDRD-005C	28372983 Layer 1: Adhesive <b>Not analyzed due to positive stop instructions.</b>			
0205-FDRD-006A	28372984 Layer 1: Flooring <b>4% Asbestos</b> <b>96% Non-Asbestos</b>		Yes	Gray, Organically Bound CHRYSOTILE 4% NON FIBROUS MATERIAL 96%
0205-FDRD-006B	28372985 Layer 1: Flooring <b>Not analyzed due to positive stop instructions.</b>			

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-006C	28372986	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-006D	28372987	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-006E	28372988	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-007A	28372989	Layer 1: Adhesive	<b>Yes</b>	Black, Bituminous
		<b>6% Asbestos</b>		CHRYSOTILE 6%
		<b>94% Non-Asbestos</b>		NON FIBROUS MATERIAL 94%
0205-FDRD-007B	28372990	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-007C	28372991	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-007D	28372992	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-007E	28372993	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-008A	28372994	Layer 1: Flooring	<b>No</b>	Brown, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%
0205-FDRD-008B	28372995	Layer 1: Flooring	<b>No</b>	Brown, Organically Bound
		<b>100% Non-Asbestos</b>		NON FIBROUS MATERIAL 100%

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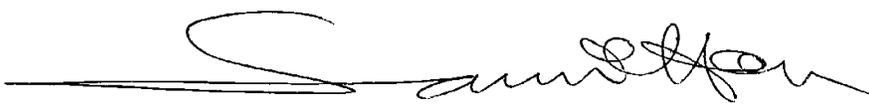
Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-008C	28372996 Layer 1: Flooring <b>100% Non-Asbestos</b>		<b>No</b>	Brown, Organically Bound NON FIBROUS MATERIAL 100%
0205-FDRD-009A	28372997 Layer 1: Adhesive <b>5% Asbestos</b> <b>95% Non-Asbestos</b>		<b>Yes</b>	Black, Bituminous CHRYBOTILE 5% NON FIBROUS MATERIAL 95%
0205-FDRD-009B	28372998 Layer 1: Adhesive <b>Not analyzed due to positive stop instructions.</b>			
0205-FDRD-009C	28372999 Layer 1: Adhesive <b>Not analyzed due to positive stop instructions.</b>			
0205-FDRD-010A	28373000 Layer 1: Roofing <b>100% Non-Asbestos</b> <b>No Tar Paper Found</b>		<b>No</b>	Brown/Black, Bituminous MINERAL/GLASS WOOL 20%, NON FIBROUS MATERIAL 80%
0205-FDRD-010B	28373001 Layer 1: Roofing <b>100% Non-Asbestos</b> Layer 2: Tar Paper <b>100% Non-Asbestos</b>		<b>No</b>	Brown/Black, Bituminous MINERAL/GLASS WOOL 20%, NON FIBROUS MATERIAL 80% Black, Bituminous, Fibrous CELLULOSE FIBER 65%, NON FIBROUS MATERIAL 35%
0205-FDRD-010C	28373002 Layer 1: Roofing <b>100% Non-Asbestos</b> Layer 2: Tar Paper <b>100% Non-Asbestos</b>		<b>No</b>	Brown/Black, Bituminous MINERAL/GLASS WOOL 20%, NON FIBROUS MATERIAL 80% Black, Bituminous, Fibrous CELLULOSE FIBER 65%, NON FIBROUS MATERIAL 35%
0205-FDRD-011A	28373003 Layer 1: Flooring <b>3% Asbestos</b> <b>97% Non-Asbestos</b>		<b>Yes</b>	Brown, Organically Bound CHRYBOTILE 3% NON FIBROUS MATERIAL 97%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0205-FDRD-011B	28373004	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-011C	28373005	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0205-FDRD-012A	28373006	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-FDRD-012B	28373007	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	
0205-FDRD-012C	28373008	Layer 1: Adhesive	No	Black, Bituminous
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL 100%	

ANALYST: OMAR ABOUZAKI

Total no. of pages in report = 7



REVIEWED BY Sami A. Hosn, Asst. Lab Director

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## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

**ACCOUNT:** 1929-05-1002  
**CLIENT:** Baker Enviro - Michael Baker Jr, Inc.  
**ADDRESS:** 100 Airside Dr Airside Business Park  
Moon Township, PA 15108

**DATE COLLECTED:** 2/10/2005  
**DATE RECEIVED:** 2/15/2005  
**DATE ANALYZED:** 2/26/2005  
**DATE REPORTED:** 2/27/2005

**PO NO.:**  
**PROJECT NAME:** FDR Dr Fam Housing  
**PROJECT NO.:** 104655  
**JOB LOCATION:**

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
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0205-FDRD-013A	28372382	Layer 1: Soft Material	No	White, Soft
		100% Non-Asbestos	NON FIBROUS MATERIAL	100%

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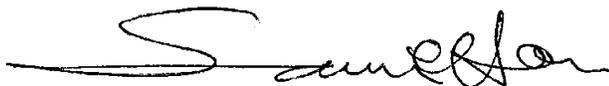
0205-FDRD-013B	28372383	Layer 1: Soft Material	No	White, Soft
		100% Non-Asbestos	NON FIBROUS MATERIAL	100%

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0205-FDRD-013C	28372384	Layer 1: Brittle Material	No	White, Brittle
		100% Non-Asbestos	NON FIBROUS MATERIAL	100%

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**ANALYST:** HIND ELDANAF  
Total no. of pages in report = 1



**REVIEWED BY** Sami A. Hosn, Asst. Lab Director

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# **Manatee Bay**

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AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593

## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

<b>ACCOUNT:</b>	1929-05-750	<b>DATE COLLECTED:</b>	1/14/2005
<b>CLIENT:</b>	Baker Enviro - Michael Baker Jr, Inc.	<b>DATE RECEIVED:</b>	1/26/2005
<b>ADDRESS:</b>	100 Airside Dr Airside Business Park Moon Township, PA 15108	<b>DATE ANALYZED:</b>	2/ 1/2005
<b>PO NO.:</b>		<b>DATE REPORTED:</b>	2/ 1/2005
<b>PROJECT NAME:</b>	Manatee Bay		
<b>PROJECT NO.:</b>	104655		
<b>JOB LOCATION:</b>	Family Housing		

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANAT-001/28342875	Layer 1: Flooring <b>2% Asbestos</b> <b>98% Non-Asbestos</b>	Flooring	<b>Yes</b>	Beige, Organically Bound CHRYSOTILE 2% NON FIBROUS MATERIAL 95%, WOLLASTONITE 3%
0105-MANAT-001E28342876	Layer 1: Flooring <b>Not analyzed due to positive stop instructions.</b>	Flooring		
0105-MANAT-001(28342877	Layer 1: Flooring <b>Not analyzed due to positive stop instructions.</b>	Flooring		
0105-MANAT-002/28342878	Layer 1: Adhesive <b>4% Asbestos</b> <b>96% Non-Asbestos</b>	Adhesive	<b>Yes</b>	Black, Bituminous CHRYSOTILE 4% CELLULOSE FIBER 2%, NON FIBROUS MATERIAL 94%
0105-MANAT-002E28342879	Layer 1: Adhesive <b>Not analyzed due to positive stop instructions.</b>	Adhesive		

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANAT-002	28342880	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANAT-002	28342881	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANAT-002	28342882	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANAT-003	28342883	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL	90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL	96%
0105-MANAT-003	28342884	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL	90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL	96%
0105-MANAT-003	28342885	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL	90%
		Layer 2: Joint Compound	No	White, Granular
		<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL	100%
		Layer 3: Wallboard/Joint Cmpd	No	White, Powdery, Granular
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL	96%
0105-MANAT-003	28342886	Layer 1: Wallboard	No	White, Powdery
		<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL	90%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL		96%
<hr/>				
0105-MANAT-003E28342887	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL		96%
<hr/>				
0105-MANAT-003F28342888	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL		96%
<hr/>				
0105-MANAT-003G28342889	Layer 1:	Wallboard	No	White, Powdery
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 10%, NON FIBROUS MATERIAL		90%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
	Layer 3:	Wallboard/Joint Cmpd	No	White, Powdery, Granular
	<b>100% Non-Asbestos</b>	CELLULOSE FIBER 4%, NON FIBROUS MATERIAL		96%
<hr/>				
0105-MANAT-004/28342890	Layer 1:	Soft Material	No	Beige, Soft
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%
<hr/>				
0105-MANAT-004E28342891	Layer 1:	Soft Material	No	Beige, Soft
	<b>100% Non-Asbestos</b>	NON FIBROUS MATERIAL		100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANAT-004	28342892 Layer 1: <b>100% Non-Asbestos</b>	Soft Material	No	Beige, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-005	28342893 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Brown, Organically Bound CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
0105-MANAT-005E	28342894 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Brown, Organically Bound CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
0105-MANAT-005C	28342895 Layer 1: <b>100% Non-Asbestos</b>	Flooring	No	Brown, Organically Bound CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%
0105-MANAT-006	28342896 Layer 1: <b>100% Non-Asbestos</b>	Sink Coating	No	Cream, Granular CELLULOSE FIBER 15%, NON FIBROUS MATERIAL 85%
0105-MANAT-006E	28342897 Layer 1: <b>100% Non-Asbestos</b>	Sink Coating	No	Cream, Granular CELLULOSE FIBER 15%, NON FIBROUS MATERIAL 85%
0105-MANAT-006C	28342898 Layer 1: <b>100% Non-Asbestos</b>	Sink Coating	No	Cream, Granular CELLULOSE FIBER 15%, NON FIBROUS MATERIAL 85%
0105-MANAT-007	28342899 Layer 1: <b>100% Non-Asbestos</b>	Adhesive	No	Beige, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-007E	28342900 Layer 1: <b>100% Non-Asbestos</b>	Adhesive	No	Beige, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-007C	28342901 Layer 1: <b>100% Non-Asbestos</b>	Adhesive	No	Beige, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-008	28342902 Layer 1: <b>100% Non-Asbestos</b>	Adhesive	No	Yellow, Soft NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANAT-008E28342903	Layer 1: 100% Non-Asbestos	Adhesive	No	Yellow, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-008C28342904	Layer 1: 100% Non-Asbestos	Adhesive	No	Yellow, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-009/28342905	Layer 1: 100% Non-Asbestos	Adhesive	No	Brown, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-009E28343113	Layer 1: 100% Non-Asbestos	Adhesive	No	Brown, Soft NON FIBROUS MATERIAL 100%
0105-MANAT-009C28343114	Layer 1: 100% Non-Asbestos	Adhesive	No	Brown, Soft NON FIBROUS MATERIAL 100%

ANALYST: OMAR ABOUZAKI  
 Total no. of pages in report = 5

  
 REVIEWED BY Katherine M. Charles, Analyst

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# **Mangrove Manor**

# SCHNEIDER LABORATORIES INCORPORATED

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AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593

## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

**ACCOUNT:** 1929-05-878  
**CLIENT:** Baker Enviro - Michael Baker Jr, Inc.  
**ADDRESS:** 100 Airside Dr Airside Business Park  
Moon Township, PA 15108

**DATE COLLECTED:** 1/27/2005  
**DATE RECEIVED:** 2/ 1/2005  
**DATE ANALYZED:** 2/ 5/2005  
**DATE REPORTED:** 2/ 7/2005

**PO NO.:**  
**PROJECT NAME:** Mangrove Farm Housing  
**PROJECT NO.:** 104655-2  
**JOB LOCATION:**

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
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0105-MANGR-00128351774	Layer 1: Flooring		Yes	Brown, Organically Bound
	<b>5% Asbestos</b>		CHRYSTILE 5%	
	<b>95% Non-Asbestos</b>		NON FIBROUS MATERIAL 95%	

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0105-MANGR-00128351775	Layer 1: Flooring			
	<b>Not analyzed due to positive stop instructions.</b>			

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0105-MANGR-00128351776	Layer 1: Flooring			
	<b>Not analyzed due to positive stop instructions.</b>			

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0105-MANGR-00128351777	Layer 1: Flooring			
	<b>Not analyzed due to positive stop instructions.</b>			

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0105-MANGR-00128351778	Layer 1: Flooring			
	<b>Not analyzed due to positive stop instructions.</b>			

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANGR-001	28351779	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-001	28351780	Layer 1: Flooring		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351781	Layer 1: Adhesive	Yes	Black, Bituminous
		5% Asbestos		CHRYBOTILE 5%
		95% Non-Asbestos		NON FIBROUS MATERIAL 95%
0105-MANGR-002	28351782	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351783	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351784	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351785	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351786	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-002	28351787	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-003	28351788	Layer 1: Wallboard	No	White, Powdery
		100% Non-Asbestos		CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%
		Layer 2: Joint Compound	No	White, Granular
		100% Non-Asbestos		NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 3: 100% Non-Asbestos	Wallboard/Jnt Cmpd CELLULOSE FIBER 5%, NON FIBROUS MATERIAL 95%	No	White, Powdery, Granular
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-003	Layer 1: 100% Non-Asbestos <i>No Joint Compound Found</i>	Wallboard CELLULOSE FIBER 10%, NON FIBROUS MATERIAL 90%	No	White, Powdery
0105-MANGR-004	Layer 1: 6% Asbestos 94% Non-Asbestos	Adhesive CHRYSTILE 6% NON FIBROUS MATERIAL 94%	Yes	Black, Bituminous
0105-MANGR-004	Layer 1: <i>Not analyzed due to positive stop instructions.</i>	Adhesive		

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANGR-004	28351797	Layer 1: Adhesive		
		<b>Not analyzed due to positive stop instructions.</b>		
0105-MANGR-005	28351798	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-005	28351799	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-005	28351800	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-005	28351801	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-005	28351802	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-006	28351803	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
		Layer 2: Adhesive		
		<b>Quantity not sufficient for analysis.</b>		
0105-MANGR-006	28351804	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%
		Layer 2: Adhesive		
		<b>Quantity not sufficient for analysis.</b>		
0105-MANGR-006	28351805	Layer 1: Flooring 100% Non-Asbestos	No	Beige, Organically Bound NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Adhesive		
		<i>Quantity not sufficient for analysis.</i>		
0105-MANGR-00728351806	Layer 1:	Flooring	Yes	Brown, Organically Bound
		6% Asbestos		CHRYSTOLE 6%
		94% Non-Asbestos		NON FIBROUS MATERIAL 94%
0105-MANGR-00728351807	Layer 1:	Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0105-MANGR-00728351808	Layer 1:	Flooring		
		<i>Not analyzed due to positive stop instructions.</i>		
0105-MANGR-00828351809	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-00828351810	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-00828351811	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-00828351812	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-00828351813	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-00828351814	Layer 1:	Flooring	No	Brown, Organically Bound
		100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANGR-008	28351815 Layer 1: Flooring 100% Non-Asbestos		No	Brown, Organically Bound CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%
0105-MANGR-009	28351816 Layer 1: Flooring 100% Non-Asbestos		No	Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-009	28351817 Layer 1: Flooring 100% Non-Asbestos		No	Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-009	28351818 Layer 1: Flooring 100% Non-Asbestos		No	Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-009	28351819 Layer 1: Flooring 100% Non-Asbestos		No	Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-009	28351820 Layer 1: Flooring 100% Non-Asbestos		No	Gray, Organically Bound NON FIBROUS MATERIAL 100%
0105-MANGR-010	28351821 Layer 1: Flooring 3% Asbestos 97% Non-Asbestos		Yes	Gray, Organically Bound CHRYBOTILE 3% NON FIBROUS MATERIAL 97%
0105-MANGR-010	28351822 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0105-MANGR-010	28351823 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>
0105-MANGR-010	28351824 Layer 1: Flooring			<b>Not analyzed due to positive stop instructions.</b>

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANGR-011	28351825 Layer 1: Flooring		Yes	Beige, Organically Bound
		3% Asbestos		CHRYSOTILE 3%
		97% Non-Asbestos		NON FIBROUS MATERIAL 95%, WOLLASTONITE 2%
0105-MANGR-011	28351826 Layer 1: Flooring			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-011	28351827 Layer 1: Flooring			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-011	28351828 Layer 1: Flooring			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-011	28351829 Layer 1: Flooring			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-012	28351830 Layer 1: Adhesive		Yes	Black, Bituminous
		8% Asbestos		CHRYSOTILE 8%
		92% Non-Asbestos		NON FIBROUS MATERIAL 92%
0105-MANGR-012	28351831 Layer 1: Adhesive			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-012	28351832 Layer 1: Adhesive			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-012	28351833 Layer 1: Adhesive			<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-012	28351834 Layer 1: Adhesive			<i>Not analyzed due to positive stop instructions.</i>

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-MANGR-01328351835	Layer 1: Flooring 3% Asbestos 97% Non-Asbestos	Flooring	Yes	Beige, Organically Bound CHRYSTOLE 3% NON FIBROUS MATERIAL 95%, WOLLASTONITE 2%
0105-MANGR-01328351836	Layer 1: Flooring	Flooring		<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-01328352721	Layer 1: Flooring	Flooring		<i>Not analyzed due to positive stop instructions.</i>
0105-MANGR-01028352722	Layer 1: Flooring	Flooring		<i>Not analyzed due to positive stop instructions.</i>

ANALYST: OMAR ABOUZAKI  
 Total no. of pages in report = 8

  
 REVIEWED BY **Bill M. Dunstan, Jr., Analyst**

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# **Rainbow Hill**

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## LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

<b>ACCOUNT:</b>	1929-05-1011	<b>DATE COLLECTED:</b>	1/27/2005
<b>CLIENT:</b>	Baker Enviro - Michael Baker Jr, Inc.	<b>DATE RECEIVED:</b>	2/15/2005
<b>ADDRESS:</b>	100 Airside Dr Airside Business Park	<b>DATE ANALYZED:</b>	3/ 1/2005
	Moon Township, PA 15108	<b>DATE REPORTED:</b>	3/ 1/2005
<b>PO NO.:</b>			
<b>PROJECT NAME:</b>	Rainbow Hill		
<b>PROJECT NO.:</b>	104579/104655		
<b>JOB LOCATION:</b>	Family Housing		

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-RAINB-001A	28372637	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-001B	28372638	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-001C	28372639	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-001D	28372640	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-001E	28372641	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-001F	28372642	Layer 1: Textured Material <b>100% Non-Asbestos</b>	<b>No</b>	White, Powdery NON FIBROUS MATERIAL 100%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-RAINB-001G28372643	Layer 1: 100% Non-Asbestos	Textured Material	No	White, Powdery NON FIBROUS MATERIAL 100%
0105-RAINB-002A28372644	Layer 1: 100% Non-Asbestos	Drywall	No	White, Powdery CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2: 100% Non-Asbestos	Joint Compound	No	White, Granular NON FIBROUS MATERIAL 100%
	Layer 3: 100% Non-Asbestos	Drywall/JC	No	White, Powdery/Granular CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
0105-RAINB-002B28372645	Layer 1: 100% Non-Asbestos	Drywall	No	White, Powdery CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2: 100% Non-Asbestos	Joint Compound	No	White, Granular NON FIBROUS MATERIAL 100%
	Layer 3: 100% Non-Asbestos	Drywall/JC	No	White, Powdery/Granular CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
0105-RAINB-002C28372646	Layer 1: 100% Non-Asbestos	Drywall	No	White, Powdery CELLULOSE FIBER 5%, FOAMED GLASS 2%, NON FIBROUS MATERIAL 93%
	<b>No Joint Compound Found</b>			
0105-RAINB-002D28372647	Layer 1: 100% Non-Asbestos	Drywall	No	White, Powdery CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2: 100% Non-Asbestos	Joint Compound	No	White, Granular NON FIBROUS MATERIAL 100%
	Layer 3: 100% Non-Asbestos	Drywall/JC	No	White, Powdery/Granular CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-RAINB-002E28372648	Layer 1:	Drywall	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Drywall/JC	No	White, Powdery/Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
0105-RAINB-002F28372649	Layer 1:	Drywall	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Drywall/JC	No	White, Powdery/Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
0105-RAINB-002G28372650	Layer 1:	Drywall/JC	No	White, Powdery/Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
	Layer 2:	Joint Compound	No	White, Granular
	<b>100% Non-Asbestos</b>			NON FIBROUS MATERIAL 100%
	Layer 3:	Drywall/JC	No	White, Powdery/Granular
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 5%, FOAMED GLASS 3%, NON FIBROUS MATERIAL 92%
0105-RAINB-003A28372651	Layer 1:	Powdery Material	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 8%, NON FIBROUS MATERIAL 92%
0105-RAINB-003B28372652	Layer 1:	Powdery Material	No	White, Powdery
	<b>100% Non-Asbestos</b>			CELLULOSE FIBER 8%, NON FIBROUS MATERIAL 92%

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
0105-RAINB-003C	28372653	Layer 1: Powdery Material 100% Non-Asbestos	No	White, Powdery CELLULOSE FIBER 8%, NON FIBROUS MATERIAL 92%
0105-RAINB-004A	28372654	Layer 1: Adhesive 100% Non-Asbestos	No	Tan, Soft NON FIBROUS MATERIAL 100%
		Layer 2: Adhesive 100% Non-Asbestos	No	Brown, Brittle NON FIBROUS MATERIAL 98%, TALC 2%
0105-RAINB-004B	28372655	Layer 1: Adhesive 100% Non-Asbestos	No	Tan, Soft NON FIBROUS MATERIAL 100%
		Layer 2: Adhesive 100% Non-Asbestos	No	Brown, Brittle NON FIBROUS MATERIAL 98%, TALC 2%
0105-RAINB-004C	28372656	Layer 1: Adhesive 100% Non-Asbestos	No	Tan, Soft NON FIBROUS MATERIAL 100%
		Layer 2: Adhesive 100% Non-Asbestos	No	Brown, Brittle NON FIBROUS MATERIAL 98%, TALC 2%



ANALYST: **BILL DUNSTAN, JR.**  
 Total no. of pages in report = 4

REVIEWED BY **Sami A. Hosn, Asst. Lab Director**

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## **Quality Control Samples**

# RJ LeeGroup, Inc.

350 Hochberg Road, Monroeville, PA 15146  
Phone: (724) 325-1776 Fax: (724) 733-1799

## Laboratory Report

Baker Environmental  
Airside Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 1/26/2005  
Sample Receipt Date 1/25/2005  
RJ Lee Group Job No BAK501001  
Authorization/P.O. No. 104655-2  
Client Job No./Name 104655-2/Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2676969.HPL Description: Tan Floor Tile	0105-MANAT-001Q	Yes	3 CH	-	92	B, M	AKB	1/26/2005
2676970.HPL Description: Black Mastic	0105-MANAT-002Q	Yes	4 CH	-	96	B, M	AKB	1/26/2005
2676971.HPL Description: White Drywall And Joint Compound Layer content: 95% Drywall - 10 Cellulose 90 NFM; 5% Joint Compound - <1 Cellulose 100 NFM	0105-MANAT-003Q	No	ND	9.5 CE	90.5	B, M	AKB	1/26/2005
2676972.HPL Description: Light Beige Caulking	0105-MANAT-004Q	Yes	ND	-	100	B, M	AKB	1/26/2005
2676973.HPL Description: Beige Mastic	0105-MANAT-007Q	Yes	ND	-	100	B, M	AKB	1/26/2005

*Allan K. Bullock*

Authorized Signature

Allan K. Bullock, Microscopist

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**NON-ASBESTOS**

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FG = Fibrous Glass  
SF = Synthetic Fibers  
H = Hair  
W = Wollastonite  
OF = Other Fibers

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CA = Carbonates    MI = Mica            V = Vermiculite  
CL = Clay         OP = Opaque  
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350 Hochberg Road, Monroeville, PA 15146  
Phone: (724) 325-1776 Fax: (724) 733-1799

## Laboratory Report

Baker Environmental  
Airsides Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 1/26/2005  
Sample Receipt Date 1/25/2005  
RJ Lee Group Job No BAK501002  
Authorization/P.O. No. 104655-2  
Client Job No./Name 104655-2/Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2676974.HPL Description: Beige Floor Tile	0105-CARIB-001Q	Yes	ND	<1 CE	100	B, M	AKB	1/26/2005
2676975.HPL Description: Black And Beige Mastic	0105-CARIB-002Q	Yes	5 CH	<1 CE	95	B, M	AKB	1/26/2005
2676976.HPL Description: Brown And Beige Mastic	0105-CARIB-004Q	Yes	ND	<1 SF	100	B, M	AKB	1/26/2005
2676977.HPL Description: White Ceiling Insulation	0105-CARIB-005Q	Yes	ND	<1 CE	100	B, M	AKB	1/26/2005
2676978.HPL Description: Beige Material	0105-CARIB-006Q	Yes	ND	25 CE	75	B, OP, M	AKB	1/26/2005
2676979.HPL Description: Gray Floor Tile	0105-CARIB-007Q	Yes	ND	-	100	B, M	AKB	1/26/2005

# RJ Lee Group, Inc.

# Laboratory Report (cont.)

Client Job No./Name: 104655-2/Naval Station Puerto Rico

RJ Lee Group Job No: BAK501002

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RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2676980.HPL	0105-CARIB-008Q	Yes	3 CH	-	97	B, M	AKB	1/26/2005

Description: Black And Tan Mastic

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*Allan K. Bullock*

Authorized Signature

Allan K. Bullock, Microscopist

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# RJ LeeGroup, Inc.

350 Hochberg Road, Monroeville, PA 15146  
Phone: (724) 325-1776 Fax: (724) 733-1799

## Laboratory Report

Baker Environmental  
Airside Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 2/3/2005  
Sample Receipt Date 2/1/2005  
RJ Lee Group Job No BAK502004  
Authorization/P.O. No. 104655-2/Naval Station Puerto Rico  
Client Job No./Name 104655-2/Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2677720.HPL Description: Light Beige Floor Tile	0105-CASCA-002Q	Yes	ND	-	100	B, M	AKB	2/2/2005
2677721.HPL Description: Black Mastic	0105-CASCA-003Q	Yes	ND	10 CE	90	B, M	AKB	2/2/2005
2677722.HPL Description: Beige Material	0105-CASCA-004Q	Yes	ND	25 CE	75	B, MI, M	AKB	2/2/2005
2677723.HPL Description: Gray And Yellow Material	0105-CASCA-005Q	Yes	ND	-	100	Q, B, OP, M	AKB	2/2/2005

*Allan K. Bullock*

Authorized Signature

Allan K. Bullock, Microscopist

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## Laboratory Report

Baker Environmental  
 Airside Business Park  
 100 Airside Drive  
 Moon Township, PA 15108  
 Attention: Ms. Vicki Bell  
 Telephone: 412-269-6300

Report Date 2/3/2005  
 Sample Receipt Date 2/1/2005  
 RJ Lee Group Job No BAK502005  
 Authorization/P.O. No. 104655-2  
 Client Job No./Name 104655-2/Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
 Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2677724.HPL	0105-MANGR-003Q	No	ND	3 CE	97	B, OP, G, M	AKB	2/2/2005
Description: White Drywall / Joint Compound / Off Caulking								
Layer content: 60% Drywall - 5 Cellulose 95 NFM; 20% Joint Compound - 100 NFM; 20% Caulking - 100 NFM								
2677725.HPL	0105-MANAT-005Q	Yes	ND	-	100	B, M	AKB	2/2/2005
Description: Beige Floor Tile								
2677726.HPL	0105-MANAT-006Q	Yes	ND	1 CE	99	B, M	AKB	2/3/2005
Description: Beige Floor Tile								
2677727.HPL	0105-MANAT-007Q	Yes	3 CH	-	97	B, M	AKB	2/3/2005
Description: Tan Floor Tile								
2677728.HPL	0105-MANAT-011Q	Yes	ND	<1 CE	100	B, M	AKB	2/3/2005
Description: Beige Floor Tile								

**RJ Lee Group, Inc.**

**Laboratory Report (cont.)**

Client Job No./Name: 104655-2/Naval Station Puerto Rico

RJ Lee Group Job No: BAK502005

---

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2677729.HPL Description: Beige Floor Tile	0105-MANAT-013Q	Yes	2 CH	<1 CE, 2 W	96	B, M	AKB	2/3/2005
2677730.HPL Description: Light Gray Floor Tile	0105-MANAT-009Q	Yes	ND	-	100	B, M	AKB	2/3/2005

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*Allan K. Bullock*

Authorized Signature

Allan K. Bullock, Microscopist

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## Laboratory Report

Baker Environmental  
Airside Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 2/16/2005  
Sample Receipt Date 2/15/2005  
RJ Lee Group Job No BAK502007  
Authorization/P.O. No. Naval Station Puerto Rico  
Client Job No./Name Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679173.HPL Description: Tan Mastic	0105-ALGOD-001Q	Yes	ND	<1 CE	100	CA, B, OP, MI, M	BAS	2/16/2005
2679174.HPL Description: Gold Floor Adhesive	0105-ALGOD-002Q	Yes	ND	<1 CE	100	CA, B, OP, M	BAS	2/16/2005
2679175.HPL Description: Brown Adhesive	0105-ALGOD-003Q	Yes	ND	<1 CE	100	Q, CA, B, OP, M	BAS	2/16/2005
2679176.HPL Description: Tan Floor Tile	0105-ALGOD-006Q	Yes	5 CH	<1 CE	95	CA, B, OP, M	BAS	2/16/2005
2679177.HPL Description: Black Mastic	0105-ALGOD-007Q	Yes	5 CH	<1 CE	95	Q, T, B, OP, M	BAS	2/16/2005
2679178.HPL Description: Off-White Floor Tile	0105-ALGOD-010Q	Yes	5 CH	-	95	CA, B, OP, MI, M	BAS	2/16/2005

# RJ Lee Group, Inc.

# Laboratory Report (cont.)

Client Job No./Name: Naval Station Puerto Rico

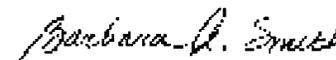
RJ Lee Group Job No: BAK502007

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RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679179.HPL Description: Black Mastic	0105-ALGOD-011Q	Yes	ND	<1 CE	100	T, B, OP, M	BAS	2/16/2005

---

Authorized Signature



Barbara A. Smith, Microscopist

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## Laboratory Report

Baker Environmental  
Airside Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 2/16/2005  
Sample Receipt Date 2/15/2005  
RJ Lee Group Job No BAK502008  
Authorization/P.O. No. 104655-2  
Client Job No./Name 104655-2/Naval Station Puerto Rico

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679180.HPL	0105-FDRD-001Q	No	ND	48.8 CE	51.2	CA, B, OP, G, MI, M	BAS	2/16/2005
Description: White Wallboard With White Paper/White Joint Compound With White Paint Layer content: 75% Wallboard - 65 Cellulose 35 NFM; 25% Joint Compound - 100 NFM								
2679181.HPL	0105-FDRD-002Q	Yes	ND	-	100	CA, B, OP, M	BAS	2/16/2005
Description: White Plaster Material With White Paint								
2679182.HPL	0105-FDRD-003Q	Yes	ND	35 CE	65	CA, B, OP, M	BAS	2/16/2005
Description: White Material								
2679183.HPL	0105-FDRD-004Q	Yes	ND	2 CE	98	CA, B, OP, MI, M	BAS	2/16/2005
Description: Tan Floor Tile								
2679184.HPL	0105-FDRD-006Q	Yes	4 CH	<1 CE	96	CA, B, OP, MI, M	BAS	2/16/2005
Description: Gray Floor Tile								

**RJ Lee Group, Inc.**

**Laboratory Report (cont.)**

Client Job No./Name: 104655-2/Naval Station Puerto Rico

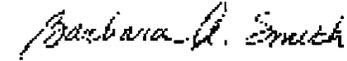
RJ Lee Group Job No: BAK502008

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RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679185.HPL Description: Black Mastic	0105-FDRD-007Q	Yes	ND	<1 CE	100	T, CA, OP, M	BAS	2/16/2005
2679186.HPL Description: Tan Floor Tile	0105-FDRD-008Q	Yes	ND	<1 CE	100	CA, B, OP, M	BAS	2/16/2005
2679187.HPL Description: Black Mastic	0105-FDRD-009Q	Yes	5 CH	-	95	T, CA, OP, M	BAS	2/16/2005

---

Authorized Signature \_\_\_\_\_



Barbara A. Smith, Microscopist

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PLM coefficients of variance range from approximately 1.8 at the quantitation limit of 1% to 0.1 at high fiber concentrations.
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# RJ LeeGroup, Inc.

350 Hochberg Road, Monroeville, PA 15146  
Phone: (724) 325-1776 Fax: (724) 733-1799

## Laboratory Report

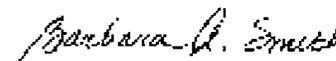
Baker Environmental  
Airside Business Park  
100 Airside Drive  
Moon Township, PA 15108  
Attention: Ms. Vicki Bell  
Telephone: 412-269-6300

Report Date 2/17/2005  
Sample Receipt Date 2/15/2005  
RJ Lee Group Job No BAK502021  
Authorization/P.O. No. 104655-2  
Client Job No./Name NAPR

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679504.HPL Description: Beige Floor Tile	0105-COAST-001Q	Yes	ND	<1 CE	100	CA, B, OP, M	BAS	2/17/2005
2679505.HPL Description: Black Mastic	0105-COAST-002Q	Yes	ND	-	100	T, CA, B, OP, M	BAS	2/17/2005
2679506.HPL Description: Tan Mastic	0105-COAST-003Q	Yes	ND	<1 CE	100	CA, B, OP, M	BAS	2/17/2005
2679507.HPL Description: Tan Floor Tile	0105-COAST-008Q	Yes	ND	<1 CE	100	CA, B, OP, M	BAS	2/17/2005
2679508.HPL Description: Black Mastic	0105-COAST-009Q	Yes	ND	-	100	T, CA, B, OP, M	BAS	2/17/2005

Authorized Signature



Barbara A. Smith, Microscopist

**ASBESTOS**

AM = Amosite  
AC = Actinolite  
AN = Anthophyllite  
CH = Chrysotile  
CR = Crocidolite  
TR = Tremolite

**NON-ASBESTOS**

CE = Cellulose  
MW = Mineral Wool  
FG = Fibrous Glass  
SF = Synthetic Fibers  
H = Hair  
W = Wollastonite  
OF = Other Fibers

**NON-FIBROUS MATERIALS**

AM = Amphibole    HY = Hydromagnesite    Q = Quartz  
B = Binder        M = Miscellaneous    T = Tar  
CA = Carbonates    MI = Mica            V = Vermiculite  
CL = Clay         OP = Opaque  
F = Feldspar       OR = Organic  
G = Gypsum        P = Perlite

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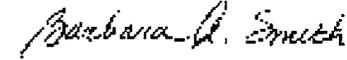
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Authorization/P.O. No. 104655-2  
Client Job No./Name NAPR

Analysis: Asbestos in Bulk Samples  
Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst	Analysis Date
2679509.HPL Description: White Acoustical Ceiling Material	0105-RAINB-001Q	Yes	ND	-	100	CA, B, V, OP, M	BAS	2/17/2005
2679510.HPL Description: Beige Particles	0105-RAINB-003Q	Yes	ND	20 CE	80	CA, B, OP, M	BAS	2/17/2005

Authorized Signature



Barbara A. Smith, Microscopist

**ASBESTOS**

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AC = Actinolite  
AN = Anthophyllite  
CH = Chrysotile  
CR = Crocidolite  
TR = Tremolite

**NON-ASBESTOS**

CE = Cellulose  
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FG = Fibrous Glass  
SF = Synthetic Fibers  
H = Hair  
W = Wollastonite  
OF = Other Fibers

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## **Appendix D**

### **Photographs**

## **Exterior Photographs**



Front, side, and rear of Algodones Apartment Building



Front, side, and rear of typical Caribe Breeze 2 bedroom unit.  
Unit shown is 2C American Circle.



Front, side, and rear of typical Caribe Breeze 3 and 4 bedroom units.  
Unit shown is 1A American Circle.



Front, side, and rear of typical Cascajo Point 2, 3, and 4 bedroom units.  
Unit shown is 14 San Jacinto Road.



Front, side, and rear of typical Coast Guard 2, 3, and 4 bedroom units.  
Unit shown is 1680 Intrepid Street.



Front, side, and rear of typical FDR Drive 3 bedroom house.  
Unit shown is 1 FDR Drive.



Front, side, and rear of typical Manatee Bay 2, 3, and 4 bedroom units.  
Unit shown is 49 Ranger Road.



Front, side, and rear of typical Mangrove Manor 2, 3, and 4 bedroom units.  
Unit shown is 33 Lexington Drive.



Front, side, and rear of typical Rainbow Hill 3 and 4 bedroom units.  
Unit shown is 4A Nimitz Drive.



Front, side, and rear of typical Rainbow Hill 2 bedroom unit.  
Unit shown is 10C Nimitz Drive.

# **ACM Photographs**

## Algodones



Material Numbers 006 and 007  
9" x 9" Vinyl Floor Tile and Adhesive



Material Numbers 010 and 011  
9" x 9" Vinyl Floor Tile and Adhesive

## Caribe Breeze



Material Number 002  
Floor Adhesive (002) under 1' x 1' Vinyl Floor Tile



Material Number 008  
Floor Adhesive under 1' x 1' Vinyl Floor Tile

## Cascajo Point



Material Number 003  
Floor Adhesive (003) under 1' x 1' Vinyl Floor Tile

## Coast Guard



Material Number 007  
Floor Adhesive (007) under 1' x 1' Vinyl Floor Tile

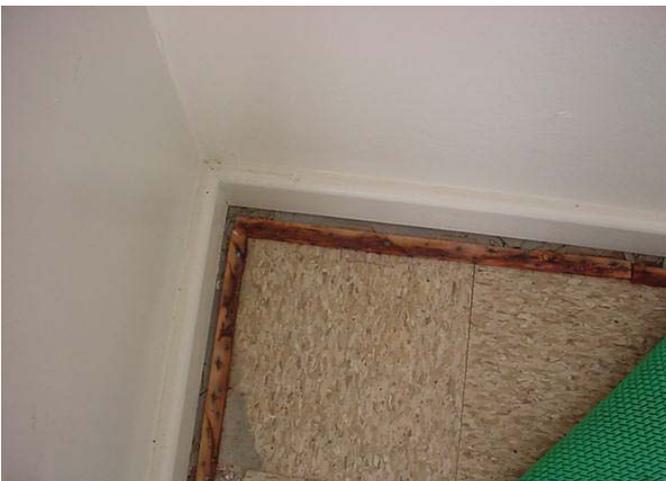
## FDR Drive



Material Number 005  
Floor Adhesive under 1' x 1' Vinyl Floor Tile



Material Numbers 006 and 007  
9' x 9' Vinyl Floor Tile and Adhesive



Material Number 009  
Floor Adhesive under 1' x 1' Vinyl Floor Tile



Material Number 011  
1' x 1' Vinyl Floor Tile

## Manatee Bay



Material Numbers 001 and 002  
1' x 1' Vinyl Floor Tile and Adhesive

# Mangrove Manor



Material Numbers 001 and 002  
1' x 1' Vinyl Floor Tile and Adhesive



Material Number 004  
Sink Coating



Material Number 007  
1' x 1' Vinyl Floor Tile



Material Number 010  
1' x 1' Vinyl Floor Tile



Material Numbers 011 and 012  
1' x 1' Vinyl Floor Tile and Adhesive



Material Number 013  
1' x 1' Vinyl Floor Tile