

Indian River County  
Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960



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Phone (772) 226-1416  
Fax (772) 770-5140

## Invitation to Bid

**Project Name:** Asbestos Abatement and / or Demolition of SIX (6) Structures

**Bid #:** 2011033

**Bid Bond Required:** YES

**Public Construction Bond Required:** NO

**Refer All Questions to:**  
Jerry Davis, Purchasing Manager  
Phone: (772) 226-1416  
Fax: (772) 770-5140  
Email: [purchasing@ircgov.com](mailto:purchasing@ircgov.com)

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**Bid Opening Date:** February 18, 2011  
**Bid Opening Time:** 2:00 P.M.

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ALL BIDS MUST BE RECEIVED BY THE PURCHASING DIVISION, 1800 27<sup>TH</sup> STREET, VERO BEACH, FLORIDA 32960 PRIOR TO THE DATE AND TIME SHOWN ABOVE. LATE BIDS WILL BE RETURNED UNOPENED.

PLEASE SUBMIT ONE (1) ORIGINAL AND ONE (1) COPY OF YOUR BID
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## ADVERTISEMENT FOR BID

Notice is hereby given that the Indian River County Board of County Commissioners is calling for and requesting bids for the following:

**Indian River County Bid # 2011033  
Asbestos Abatement and / or Demolition of SIX (6) Structures**

Detailed specifications for the above referenced Bid are available from DemandStar.com at: (800) 711-1712 or downloaded from their web site at: [www.demandstar.com](http://www.demandstar.com). Bid specifications are also available at Indian River County Purchasing Division at (772) 226-1416 or Email: [purchasing@ircgov.com](mailto:purchasing@ircgov.com).

A **BID SECURITY** must accompany each Bid in excess of \$25,000, and must be in the form of an AIA Document A310 Bid Bond properly executed by the Bidder and by a qualified surety, or certified check or cashier's check drawn on any bank authorized to do business in the State of Florida, in the sum of not less than **Five Percent (5%)** of the total amount bid, made payable to Indian River County Board of County Commissioners

Deadline for receipt of bids has been set for ***2:00 P.M. on February 18, 2011***. Only bids received on or before the time and date listed will be considered. Bids should be addressed to Purchasing Division, 1800 27<sup>th</sup> Street, Vero Beach, Florida 32960. All bids will be opened publicly and read aloud at 2:00 PM. All bids received after 2:00 PM, of the day specified above, will be returned unopened.

The Board of County Commissioners reserves the right to accept or reject any and all bids in whole or in part and to waive all informalities.

**PURCHASING MANAGER  
INDIAN RIVER COUNTY**

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Indian River County  
Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, Fl 32960

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# Instructions to Bidders

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## General Terms and Conditions

**Sealed Bids and Envelope Markings:** All bids shall be submitted in a sealed envelope. The outside of the envelope shall be clearly marked with the Sealed Bid #, Title of the Bid, Date of the Bid opening, and Time of the Bid Opening.

**Opening Location:** It will be the sole responsibility of the bidder to deliver personally or mail their proposal to the office of the Indian River County Purchasing Division. Bids should be delivered to 1800 27<sup>th</sup> Street, Vero Beach, FL 32960, on or before the closing hour and date shown for receipt of bids. Bids received in person or by mail after the stated time and date will not be considered.

**Bid Submission:** All proposals must be signed with the legal Firm name and by an Officer or employee having authority to bind the company or firm by his / her signature. Proposals shall be submitted on forms provided by Indian River County. ***Bids not submitted on the attached form shall be rejected. An original bid and one copy*** shall be submitted unless otherwise instructed.

**Withdrawal of Bids:** Bids may be amended or withdrawn only by written notice prior to the bid opening. Amendments must be sealed. Amendments or withdrawals received after the bid opening will not be effective, and the original bid submitted will be considered.

**Price and Discount Requirements:** Quote net prices after deducting trade discounts. All discounts must be incorporated in the prices contained in the bid, and not shown separately. Invoices submitted must agree with the prices formally bid.

**Taxes:** Indian River County is exempt from any taxes imposed by State and / or Federal Government. Exemption Certificates, if required, are to be furnished by the successful bidder and will be filled out by the County.

**Delivery and Completion Dates:** Indicate delivery and completion dates. This may be a determining factor in the award of the bid. The County may at its option, grant additional time for any delay or failure to perform hereunder if the delay will not adversely affect the best interests of the County and is due to causes beyond the control of the Seller. Such grant must be in writing and made part of the Order.

**Irrevocable Offer:** Bidder warrants by virtue of bidding that the prices quoted in this bid shall remain firm and be considered an irrevocable offer for a period of sixty (60) days, during which time one or more of the bids received may be accepted by Indian River County.

**Assignment/Delegation:** No right, obligation or interest in the Order shall be assigned or delegated by the Seller without prior written consent of the County, without prejudice to County's other rights and remedies.

**Consideration of Bids:** Telegraphic, telephonic, or faxed bids will not be considered.

**Indemnification:** The successful bidder shall agree to indemnify and save harmless Indian River County, its agents and employees, from and against all claims, suits, actions, damages, causes, or action or judgments arising out of the terms of the resulting agreement for any personal injury, loss of life, or damage to property sustained as a result of the performance or non-performance of services or delivery of goods, from and against any orders, judgments, or decrees, which may be entered against the County, its

agents or employees; and from and against all costs, attorney's fees, expenses, and other liabilities incurred in the defense of any such claim, suit, or action, and the investigation thereof. Nothing in the award, resulting agreement, contract or Purchase Order shall be deemed to affect the rights, privileges, and immunities of the County as set forth in Florida Statute Section 768.28.

**Public Access:** The County shall allow public access to all documents and materials in accordance with the provisions of Chapter 119, Florida Statutes. Should the County assert any exemptions to the requirements of Chapter 119, Florida Statutes, and related statutes, the burden of establishing such exemption, by the way of injunctive or other relief as provided by law, shall be upon the Seller.

**Records/Audit:** The County shall maintain books, records and documents pertinent to performance under this Order in accordance with generally accepted accounting principles consistently applied. The County shall have inspection and audit rights to such records for audit purposes during the term of the contract and for three years following the termination of obligations hereunder. Records which relate to any litigation, appeals or settlements of claims arising from performance under this Order shall be made available until a final disposition has been made of such litigation, appeals, or claims.

**Acceptance:** Receipt of an item shall not be an indication that the items are acceptable. Final acceptance and authorization of payment shall be given after a thorough inspection indicates that the item is delivered in accordance with the Bid Specifications. Suppliers are advised that in the event the delivered item does not meet specifications, payment will be withheld until such time the supplier takes necessary corrective action.

**Variations to Specifications:** For purposes of evaluation, *Bidder must indicate any variances from the specifications and / or conditions on the form provided with this Invitation to Bid.* Otherwise, it will be assumed that the product or service fully complies with the specifications. Items specifically described, as alternates shall be reviewed as an alternative bid to be considered by the County, in lieu of the primarily specified item(s). However, item(s) varying from the published specifications shall be considered substitutes, and the County reserves the right to consider or not to consider substitute bids. Substitutes shall be subject to disqualification if the County does not approve the substitution.

**Interpretations:** No oral interpretations will be made to any Bidder as to the meaning of the Specifications. Every request for such an interpretation shall be made in writing, addressed and forwarded to Indian River County, ten (10) or more days before the date fixed for opening of the bids. The County shall not be responsible for oral interpretations given by any County employee. Every interpretation made to bidder will be in the form of an Addendum to the specifications, which if issued, will be sent promptly as is practical to all persons to whom specifications have been issued. All such Addenda shall become part of the specifications. Further, it shall be the responsibility of each bidder, prior to submitting their bid, to contact Indian River County's Purchasing Division at (772) 226-1416 to determine if addenda were issued and to make such addenda a part of their bid.

**Default Provision:** In case of default by the Bidder, Indian River County may procure the articles or services from other sources and hold the Bidder responsible for excess incurred thereby, and may take such action, as it deems appropriate, including legal action for Damages or Specific Performance.

**Manufacturer's Certification:** Indian River County reserves the right to request from the Bidder a separate manufacturer's certification of all statements made in the proposal.

**Signed Bid Considered an Offer:** This signed bid shall be considered an offer on the part of the Bidder. Indian River County Board of County Commissioners shall deem the offer accepted upon approval.

**Non-Collusion:** By signing and submitting the Bid Form, the Bidder certifies that,

- This bid has been arrived at by the bidder independently and has been submitted without collusion, and without any agreement, understanding, or planned common course, or action with, any vendor of materials, supplies, equipment, or services described in the invitation to bid, designed to limit independent bidding or competition, and
- The contents of the bid have not been communicated by the bidder or its employees or agents to any person not an employee or an agent of the bidder or its surety on any bond furnished with the bid, and will not be communicated to any such person prior to the official opening of the bid.
- No attempt has been made or will be made by the bidder to induce any other person(s) or firm(s) to submit or not to submit a bid for the purpose of restricting competition.

**Public Entity Crimes:** Pursuant to Florida Statutes Section 287.133(2)(a), all Bidders are hereby notified that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity (defined as the State of Florida, any of its departments or agencies, or any political subdivision); may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Florida Statutes Section 287.017 for CATEGORY TWO [currently \$25,000] for a period of 36 months from the date of being placed on the convicted vendor list. A "public entity crime" means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

**Regulations:** It shall be the responsibility of the bidder to assure compliance with any OSHA, EPA and / or other Federal or State of Florida rules, regulations, or other requirements, as each may apply.

**Applicable Law and Venue:** All rights and duties of the parties hereto shall be governed by the laws of the State of Florida, including but not limited to the provisions of the Florida Uniform Commercial Code Chapters 671-679 F.S., for any terms and conditions not specifically stated in this Order.

**Conflict of Interest:** Any entity submitting a bid or proposal or entering into a contract with the County shall disclose any relationship that may exist between the contracting entity and a County Commissioner or a County Employee. The relationship with a County Commissioner or a County Employee that must be disclosed is as follows: *father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, son-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, or grandchild.* The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the entity. The disclosure of relationships shall be a sworn statement made on a County approved form. Failure to submit the form may be cause for rejection of the bid or proposal.

**Cancellation:** It is the intention of Indian River County to purchase material and / or services from sources of supply that will provide prompt and convenient shipment and service. Any failure of the supplier to satisfy the requirements of the County shall be reason for termination of the award.

**Errors:** When an error is made in the bid extension of generating total bid prices or in any other process of completing the bid, the original unit prices submitted will govern. Carelessness in quoting prices, or in preparation of the bid otherwise, will not relieve the bidder.

**Bid Rejection:** Failure to comply with all the above instructions *may* result in rejection of the bid.

**Bid Protest:** Any actual or prospective bidder who is aggrieved in connection with the solicitation or proposed award of a contract may protest to the Purchasing Manager. The protest shall be submitted in writing within seven (7) calendar days after such aggrieved person knows or should have known the facts rise thereto. If the protest is not resolved by mutual agreement, the Purchasing Manager shall promptly issue a decision in writing, after consulting the Department and the Office of the County Attorney.

**Co-Operative Purchasing:** It is the intent of the Invitation of Bid to secure goods or services to be used by Indian River County. However, by virtue of bidding, the bidder accepts the right of other Florida Governmental agencies to purchase from this bid proposal. The successful bidder and the requesting Governmental agency, apart from Indian River County, shall handle any such purchases separately. Further, Indian River County assumes no liability for materials or services ordered by any other Governmental agency by virtue of this bid. (*Bidders that find this condition unsatisfactory should indicate this by showing exception on the Bid Form.*)

**Awards:** The County reserves the right to cancel the bid, reject any and all bids or waive any minor irregularity or technicality in bids received. When it is determined there is no competition to the lowest responsive bidder, evaluation of other bids is not required. Bidders are cautioned to make no assumptions unless their bid has been evaluated as being responsive. The County reserves the right to not make any award(s) under this bid.

Criteria for Award:

- A. Compliance to the specifications
- B. Cost
- C. Delivery
- D. Disclosure Statement

**Termination by the County:** The County reserves the right to terminate a contract by giving thirty (30) days notice, in writing, of the intention to terminate, if at any time the contractor fails to abide by or fulfill any of the terms and conditions of the contract. The County also reserves the right to terminate this contract for convenience of the County and / or with or without cause.

**Compliance with Laws and Regulations:** Bidder agrees that they will comply with all Federal, State, and Local Laws and Regulations applicable to the production, sale, and delivery of the goods or the furnishing of any labor or services called for by this order, and any provisions required thereby to be included herein shall be deemed to be incorporated herein by reference. Noncompliance may be considered grounds for termination of contracts.

- Public Record Law: Correspondence, materials, and documents received pursuant to this Invitation for Bid become public records subject to the provisions of Chapter 119, Florida Statutes.

**Insurance:**

- **Owners and Subcontractors Insurance:** The contractor shall not commence work until they have obtained all the insurance required under this section, and until such insurance has been approved by the owner, nor shall the contractor allow any subcontractor to commence work until the subcontractor has obtained the insurance required for a contractor herein and such insurance has been approved unless the subcontractor’s work is covered by the protections afforded by the contractor’s insurance.
- **Worker’s Compensation Insurance:** The contractor shall procure and maintain worker’s compensation insurance to the extent required by law for all their employees to be engaged in work under this contract. In case any employees are to be engaged in hazardous work under this contract and are not protected under the worker’s compensation statute, the contractor shall provide adequate coverage for the protection of such employees.
- **Public Liability Insurance:** The contractor shall procure and maintain broad form commercial general liability insurance (including contractual coverage) and commercial automobile liability insurance in amounts not less than shown below. The owner shall be an additional named insured on this insurance on this insurance with respect to all claims arising out of the operations or work to be performed.

<p><b>Commercial General (Public) Liability, other than Automobile</b></p> <p><b>\$1,000,000.00 Combined single limit for Bodily Injury and Property Damage</b></p>	<p>Commercial General</p> <p>A. Premises / Operations</p> <p>B. Independent Contractors</p> <p>C. Products / Completed Operations</p> <p>D. Personal Injury</p> <p>E. Contractual Liability</p> <p>F. Explosion, Collapses, and Underground Property Damage</p>
<p><b>Automobile</b></p> <p><b>\$1,000,000.00 Combined single limit Bodily Injury and Damage Liability</b></p>	<p>A. Owner Leased Automobiles</p> <p>B. Non-Owned Automobiles</p> <p>C. Hire Automobiles</p>

- **Proof of Carriage of Insurance:** The contractor shall furnish the owner a certificate of insurance in a form acceptable to the owner for the insurance required. Such certificate or an endorsement provided by the contractor must state that the owner will be given thirty (30) days written notice prior to cancellation or material change in coverage. Copies of an endorsement-naming owner as Additional Name Insured must accompany the Certificate of Insurance.

**Indian River County reserves the right to accept or reject any or all bids in whole or in part and waive all formalities.**

**Note: Any and all special conditions attached hereto, which may vary from these General Conditions, shall have precedence.**

**Refer General Terms & Conditions Questions to: Jerry Davis, Purchasing Manager**  
**Telephone: (772) 226-1416 E-mail: [purchasing@ircgov.com](mailto:purchasing@ircgov.com)**

**End of General Terms & Conditions**

**Technical Specifications**  
**Asbestos Abatement and / or Demolition of SIX (6) Structures**

**Scope:**

The work for this project shall consist of furnishing all the necessary equipment, materials and labor for the demolition and removal of the existing structures listed below. This includes removal of slabs and walkways. Parking areas are to be left in place. An Asbestos Survey for these buildings is included in the bid document.

**ASBESTOS:** Contractor must abide by all local and state requirements for asbestos abatement. The Asbestos Containing Material (ACM), as described in the attached “Pre-Demolition Asbestos Survey Report”, must be removed by a Florida Licensed Asbestos Contractor and disposed of at a permitted disposal facility. Adherence to section 5.0 recommendations in the above-mentioned report is required.

Bidders may submit their bids for: Demolition Only or Asbestos Abatement Only. Bidders, who wish to submit for the Demolition and the Asbestos Abatement combined, must provide a separate bid price for each. Indian River County reserves the right to award all or part of the work to any one contractor.

**Property #1. Owner(s): MNMB, LLC / A to Z Realty Management**  
**Property: 4730 40<sup>th</sup> Avenue, Vero Beach, Fl 32967**  
**Tax ID#: 32392200000500000018.0**

**Asbestos Survey for this property in included in Attachment A.**



**The Bidder shall be responsible for the following:**

1. Coordinate with the City of Vero Beach, The City of Sebastian, Indian River County and FPL as applicable regarding shutoff of existing utilities, including removing and capping those utilities that service the buildings. All permit fees for inspection of Utility severance are the responsibility of the Contractor.
2. Fill in any existing wet or dry septic tanks per IRC Public Health Standards.
3. Dispose of all demolition debris, glass, junk, trash and debris etc. on lot in accordance with local codes and ordinances.
4. Remove and dispose of concrete slab and walkway materials. Parking lots are to remain in place.
5. Obtain all necessary permits, including but not limited to Building Division and Health Department permits, required for demolition work.
6. Pay all necessary fees, including but not limited to permit fees, inspection fees, and disposal fees, required for demolition work.
7. Protect all existing structures on adjacent property. Contractor shall be responsible for the repair or replacement of any damaged structures or real estate thereof.
8. **Remove asbestos, with the exception of the adhesive on the concrete slab.**, in accordance with applicable laws, including removal by a licensed asbestos abatement contractor. Provide proof of asbestos abatement contractor license or same for subcontractor.

**Concrete slab containing asbestos adhesive may be removed the demolition contractor and disposed of at the landfill. Concrete slab may NOT be recycled.**

**Full Asbestos Survey for the site is included with this bid in Attachments A.**

Extra Work: Without invalidating the contract, Indian River County may at any time, by written change order and without preliminary notice to the surety, order extra work, within the general scope of the project, and the price will be adjusted accordingly.

Changes in Work: The County shall have the right to suspend work wholly or in part for such period or periods as may be deemed necessary due to unsuitable weather or other conditions, which the County considers unfavorable for the work to proceed. No allowance of any kind will be made for such suspension of work except an equivalent time for completion of the contract. Additionally, Indian River County may alter the scope of work at any time by eliminating one or more of the structures identified for demolition. Any such change will result in a change to the contract price.

Change Conditions: If during the progress of work, field conditions are found to differ materially from those covered by the Specifications or from those which could reasonably have been foreseen by the Bidder after examination of the site, the Bidder shall call such conditions to the attention of Indian River County and necessary changes may be made to the Specifications. If these changes entail extra work or materials and the value of such work has not been determined by unit price under the contract,

the values of such work or change shall be determined by negotiation. Indian River County and the Bidder shall execute a change order to the contract at mutually satisfactory unit prices or lump sums for any extra work, addition, or deletion made necessary by such changed conditions and requested by the County.

Commencement of Work: The Asbestos Abatement work shall commence immediately upon receipt of a Notice to Proceed. The Demolition work shall commence upon completion of the Asbestos Abatement portion of the work.

Time of Completion: The Asbestos Abatement work shall be completed within 30-days of issuance of the Notice to Proceed. The Demolition work shall be completed within 90-days of issuance of the Notice to Proceed.

Contract Price: The County shall pay the Bidder for the work at the price(s) stated on the Bid Form. No additional payment shall be made to the Bidder except for additional work or materials as stated on a valid change order issued by the County prior to the performance of the work or delivery of materials.

Final Payment Acceptance: The acceptance by the Bidder of final payment due on termination of this contract shall constitute a full and complete release of Indian River County from any and all claims, demands and causes of action whatsoever, which the Bidder, its successors or assigns have or may against the County under the provisions of this contract.

Examination of the Site: Before submitting this bid, the bidder shall visit the job site in order to ascertain the prevailing local conditions, which may affect the work to be done. No payment for additional work or materials shall be made upon any claim of changed condition(s) if such condition(s) could have been reasonably foreseen upon diligent examination of the site prior to submission of their bid.

Cooperation / Coordination: Indian River County and its authorized representatives shall be permitted free access and every reasonable facility for the inspection of all work and materials.

Work by Owner: Indian River County hereby reserves the right to perform activities in the area where work is being done under this contract with its own forces.

Work by Other Contractors: Indian River County hereby reserves the right to permit other Contractors to work within the area, which is the site of work under this contract.

Coordination: The Bidder shall afford the County and other Contractors reasonable opportunity for the introduction and storage of their equipment, materials and the execution of their work concurrently, and shall properly coordinate its work with theirs in the best interest of Indian River County.

**Indian River County may award this bid to one or more Contractors submitting the lowest most responsive and responsible bid meeting the specifications as set forth in this Invitation to Bid.**

**NOTE: The County reserves the right to remove any structure from the bid or purchase order prior to commencement of the work.**

### **End of Technical Specifications**

Indian River County  
Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960



## Bid Form

Specifications for: Asbestos Abatement and / or Demolition of SIX (6) Structures  
Bid #: 2011033  
Bid Opening Date / Time: February 18, 2011 at 2:00 P.M.  
Bid Opening Location: Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960

In accordance with all terms, conditions, specifications, and requirements, the bidder offers the following: Note: This bid may be awarded to one or more Contractors. Indian River County reserves the right to remove any of the listed structures from the award.

1. Demolition ONLY: ..... \$ \_\_\_\_\_

2. Asbestos Abatement ONLY: ... \$ \_\_\_\_\_

3. Demolition and Asbestos Abatement BOTH: \$ \_\_\_\_\_

My Total Bid Price \$ \_\_\_\_\_  
In Numbers In Words

Completion time after receipt of "Notice to Proceed" or PO. \_\_\_\_\_ /DAYS

Please submit one (1) original and one (1) copy of your bid.

The undersigns hereby certifies that he / she has read and understands the contents of this solicitation and agrees to furnish at the prices shown any or all of the services above, subject to all instructions, conditions, specifications, and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or request additional compensation.

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

City, State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Business Tax Receipt Number: \_\_\_\_\_ FEIN Number: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

# Affidavit of Compliance

(Please include this form with your bid)

## Indian River County Bid # 2011033 for Asbestos Abatement and / or Demolition of SIX (6) Structures

We DO NOT take exception to the Bid / Specifications.

We TAKE exception to the Bid / Specifications as follows: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

(Typed / Printed)

## List of Subcontractors

The Bidder **SHALL** list below the name and address of each Subcontractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Bids, changes or substitutions will not be allowed unless approved by Indian River County after a request for such change has been submitted in writing by the Contractor, which shall include reasons for such request. Subcontractors must be properly licensed and hold a valid Certificate of Competency.

Documentation Submitted with Project 2011033

<u>Work to be Performed</u>	<u>Subcontractor's Name/Address</u>
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____
11. _____	_____
12. _____	_____
13. _____	_____
14. _____	_____
15. _____	_____

Note: Attach additional sheets if required.

<b>THIS LIST MUST BE SUBMITTED WITH YOUR BID</b>
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**SWORN STATEMENT UNDER SECTION 105.08, INDIAN RIVER COUNTY CODE, ON  
DISCLOSURE OF RELATIONSHIPS**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement **MUST** be submitted with Bid, Proposal or Contract No. 2011033  
for **Asbestos Abatement and / or Demolition of SIX (6) Structures**

2. This sworn statement is submitted by: \_\_\_\_\_  
\_\_\_\_\_

(Name of entity submitting Statement)

whose business address is:

\_\_\_\_\_

and its Federal Employer Identification Number (FEIN) is \_\_\_\_\_

3. My name is \_\_\_\_\_  
(Please print name of individual signing)

and my relationship to the entity named above is \_\_\_\_\_

4. I understand that an “affiliate” as defined in Section 105.08, Indian River County Code, means:

The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the entity.

5. I understand that the relationship with a County Commissioner or County employee that must be disclosed as follows:

Father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, son-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, or grandchild.

6. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. [Please indicate which statement applies.]

\_\_\_\_\_ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, have any relationships as defined in section 105.08, Indian River County Code, with any County Commissioner or County employee.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents, who are active in management of the entity have the following relationships with a County Commissioner or County employee:

Name of Affiliate or entity	Name of County Commissioner or employee	Relationship
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,  
by \_\_\_\_\_, who is personally known to me or who has produced  
\_\_\_\_\_ as identification.

NOTARY PUBLIC

SIGN: \_\_\_\_\_

PRINT: \_\_\_\_\_

Notary Public, State at large  
My Commission Expires:

(Seal)

## **BID BOND**

### **AIA DOCUMENT A310 BID BOND**

The Contractor shall use the document form entitled "AIA Document A310 Bid Bond"  
for all bids exceeding \$25,000.00..



(SAMPLE)  
AGREEMENT

THIS AGREEMENT made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,  
by and between \_\_\_\_\_, hereinafter called the  
CONTRACTOR and Indian River COUNTY herein called the OWNER.

WITNESSED: That whereas, the OWNER and the CONTRACTOR for the consideration hereinafter  
named, agree as set forth below:

Article 1. SCOPE OF WORK

As per specifications of advertised and sealed bid in Indian River County Bid # 2011033

(Add Scope of Work) \_\_\_\_\_;

CONTRACTOR, as an independent CONTRACTOR and not as an employee, shall furnish, for the sum of  
\_\_\_\_\_ (\$\_\_\_\_\_), all of the  
necessary labor, material, and equipment to perform the work described in accordance with the Contract  
Documents.

Article 2. TIME OF COMPLETION

\_\_\_\_\_ Days from receipt of the Notice to Proceed.

Article 3. GENERAL

**The CONTRACTOR hereby certifies that he has read every clause of the Contract Documents and that he has made such examination of the location of the proposed work as is necessary to understand fully the nature of the obligation herein made; and shall complete the same the time limit specified herein in accordance with the plans and specifications.**

The OWNER and CONTRACTOR agree to maintain records, invoices, and payments for the work. The CONTRACTOR shall provide Performance Bonds for all work in this Agreement.

**All work under this Contract shall be done to the satisfaction of the OWNER, who shall in all cases determine the amount, quality, fitness, and acceptability of the several kinds of work and materials which are to be paid for hereunder, and shall decide all questions which may arise as to fulfillment of the Contract on the part of the CONTRACTOR, and his decision thereon shall be final and conclusive; and such determination and decision, in case any question shall arise, shall be a condition precedent to the right of the CONTRACTOR to receive any money hereunder.**

Any clause or section of this contract or specification which may for any reason be declared invalid by a court of competent jurisdiction, including appeal, if any, may be eliminated therefrom; and the intent of this Contract and the remaining portion thereof will remain in full force and effect as though such invalid clause or section has not been incorporated therein.

Article 4. QUANTITIES AND PRICES

**The Owner shall pay the CONTRACTOR for all work included and completed in accordance with this Contract, based on the items of work set forth in the CONTRACTOR’S Bid Form.**

Article 5. ACCEPTANCE AND FINAL PAYMENT

**When the work provided for under this contract has been completed, in accordance with the terms thereof, that a lump sum payment request in the amount of such work shall be prepared by the CONTRACTOR, and filed with the OWNER within fifteen days after the date of completion.**

The final estimate shall be accompanied by a Certificate of Acceptance issued by the ENGINEER, stating that the work has been completed to his satisfaction, in compliance with the Contract. The Certificate of Acceptance shall not be issued until completed Asbuilt drawings of the actual construction have been furnished to the OWNER and verified.

In accordance with the Florida Prompt Payment Act, after receipt of the ENGINEER’S final acceptance by the OWNER, the OWNER shall make payment to the CONTRACTOR in the full amount. PAYMENT of the lump sum amount and acceptance of such payment by the CONTRACTOR shall release the OWNER from all claims or liabilities to the CONTRACTOR in connection with this Contract.

Article 6. THE CONTRACT DOCUMENTS

**The General Conditions, Special Conditions, Specifications, Bid Documents, Insurance Requirements (Exhibit A), Bonds, and the Drawings, together with this Agreement, form the Contract, and are fully a part of this Contract as if included herein.**

Article 7. VENUE

**This agreement shall be governed by the laws of the State of Florida. Venue for any lawsuit brought by either party against the other party or otherwise arising out of this agreement shall be in Indian River County, Florida, or in the event of federal jurisdiction, in the United States District Court for the Southern District of Florida.**

(Contractor)

(Owner)

\_\_\_\_\_

Indian River County, Florida

\_\_\_\_\_  
President

\_\_\_\_\_  
Bob Solari, BCC Chairman

Witnessed by: \_\_\_\_\_

Approved by BCC \_\_\_\_\_

\_\_\_\_\_  
APPROVED

Attest:  
Jeffrey K. Barton, Clerk of Circuit Court

\_\_\_\_\_  
Joseph A. Baird, County Administrator

By: \_\_\_\_\_  
Deputy Clerk

Approved as to Form and Legal Sufficiency

BY  
\_\_\_\_\_  
County Attorney



# Bid Checklist

THIS CHECKLIST IS PROVIDED TO ASSIST EACH BIDDER IN PREPARATION OF THEIR BID RESPONSE. THIS CHECKLIST IS ONLY A GUIDELINE ***IT IS THE RESPONSIBILITY OF EACH BIDDER TO READ AND COMPLY WITH THE INVITATION TO BID IN ITS ENTIRETY.***

- ✓ Is the Bid Form completed and signed?
- ✓ All price extensions and totals have been reviewed for accuracy?
- ✓ Is the Affidavit of Compliance completed, signed, and attached?
- ✓ Is the Disclosure of Relationship Sworn Statement completed, signed, notarized, and attached?
- ✓ Is each Bid Addendum (if issued) signed and included with the Invitation to Bid Form?
- ✓ Is the Bid #, Bid Title, and Bid Opening Date & Time marked clearly on the outside of the envelope?
- ✓ Is the Bid Form submitted in duplicate (or as specified)?
- ✓ Is all of the above in the envelope and is the envelope sealed?

If you have any questions about submission of the Invitation to Bid, please contact the Indian River County Purchasing Division at (772) 226-1416 or by Fax at (772) 770-5140 or via E-mail at [purchasing@ircgov.com](mailto:purchasing@ircgov.com)

Thank you for your interest!

## ATTACHMENT A

The Asbestos Survey completed by EE&G Environmental Services, LLC  
For each structure is attached.



ENVIRONMENTAL SERVICES, LLC

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**PRE-DEMOLITION  
ASBESTOS SURVEY REPORT**

**FOR**

**GIFFORD GARDENS APARTMENTS**

**4730 40<sup>TH</sup> AVENUE  
VERO BEACH, FLORIDA**

Prepared for

**INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS  
1801 27<sup>TH</sup> STREET  
VERO BEACH, FLORIDA 32960**

**ATTENTION: MR. JOSE GUANCH**

Prepared by



**EE&G Environmental Services, LLC  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016  
(305) 374-8300**

**December 21, 2010  
EE&G Project No. 2011-6019**

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**APPENDICES**

APPENDIX A General Terms:           Types of Asbestos-Containing Materials  
   Types of Asbestos-Containing Roofing Materials  
   NESHAP Categories

APPENDIX B Laboratory Report  
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## SECTION 1.0

### INTRODUCTION

A pre-demolition asbestos survey was conducted at Gifford Gardens Apartments located at 4730 40<sup>TH</sup> Avenue in Vero Beach, Florida. The survey was conducted on December 16-17, 2010 by AHERA certified inspectors Bob Miro and Warren Adams, of EE&G Environmental Services, LLC (EE&G). Access to the site was authorized by the client.

The purpose of this limited asbestos survey was to identify the presence, extent, and condition of asbestos-containing materials (ACM) in the interior, exterior, and roof areas of the 4730 property buildings scheduled for demolition in early 2011. The inspection area was limited to accessible interior, exterior, and roof areas of the above-mentioned areas only. All observed suspect ACM was either sampled to determine asbestos content or assumed to contain asbestos.

Terms used in this report are defined in the General Terms section located in Appendix A. Additional information on the classification of ACM for National Emissions Standards for Hazardous Air Pollutants (NESHAP) is also located in Appendix A. These NESHAP categories are helpful in determining the need for asbestos abatement and must be used in the NESHAP notification of intent to renovate or demolish.

**SECTION 2.0****BUILDING DESCRIPTIONS****GIFFORD GARDENS APARTMENTS****4730 40<sup>TH</sup> AVENUE, VERO BEACH, FLORIDA**

The six two-story buildings were observed to be constructed primarily of concrete, steel, and wood construction; interior walls were observed to be finished with plaster, ceilings were finished with plaster ceiling finish (popcorn ceiling). Floors were observed to be finished with vinyl floor tile, carpet, and ceramic tile. The heating, ventilation, and air-conditioning consisted of wall heaters and window AC units. Plumbing components were located within walls or above hard ceilings. The roof was observed to be finished with 30 weight roll out over felts.

The buildings are configured as follows:

Three two-story buildings containing ten (10) units each, two (2) two-story buildings containing twelve (12) units each and a two-story office building with an office and shop on the first floor and living quarters on the second. There are a total of fifty four (54) rental units and a property manager's quarters.

**Buildings A, C, D:** With ten (10) units contain two one-bedroom apartments, six two-bedroom apartments and two three-bedroom apartments. Approx. 4,800 square feet per floor. See Appendix C for Figures.

**Buildings B, E:** With twelve (12) units contain four one-bedroom apartments, four two-bedroom apartments and four three-bedroom apartments. Each Apartment building also has an electrical room at the rear of the building. Approx. 6,000 square feet. See Appendix C for Figures.



## SECTION 3.0

### METHODS AND LIMITATIONS

#### 3.1 ASBESTOS SURVEY METHODS

The accessible areas were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. All observed suspect material was either sampled or assumed to be asbestos-containing. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools.

#### 3.2 LABORATORY ANALYSIS METHODS

Samples were sent to EMSL Laboratories in North Miami Beach, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993).

#### 3.3 LIMITATIONS

This limited asbestos survey report has been prepared by EE&G in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the client and their subcontractors in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM observed in the inspected interior, exterior, and roof areas of the residential property only. If other areas at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or incomplete plans. Any suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work as indicated in EE&G's proposal. The results, conclusions, and recommendations contained in this report pertain to conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may differ from those in the

inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G's client Indian River County Board of County Commissioners and is not intended for use by third party beneficiaries, unless specified by Indian River County Board of County Commissioners. The client shall indemnify and hold EE&G harmless against any liability for any loss arising out of or relating to reliance by any third party on any work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, nor for use of segregated portions of this report.

## SECTION 4.0

### SURVEY RESULTS

#### 4.1 ASBESTOS ANALYSIS RESULTS

The results of the PLM analyses and assessment of suspect ACM are summarized in Table 1. The original laboratory report is attached as Appendix B.

##### 4.1.1 Asbestos-containing materials

Asbestos was identified or assumed in amounts greater than 1 percent in the following materials:

- Plaster acoustical ceiling finish ("popcorn" ceiling) : Building E & F only
- Various Brown/Tan 12"x12"VFT with or without black mastic.
- Black/grey mastic with thin set in some bathrooms where observed/sampled.

Refer to Tables 1-6 for the location, condition, and quantities of these materials.

##### 4.1.2 Nonasbestos-containing materials

Asbestos was not detected or was found in amounts less than or equal to 1 percent in the following materials:

Refer to Tables 1-6 for the location of these materials.

#### 4.2 ADDITIONAL OBSERVATIONS

- No fireproofing was observed during this inspection.

TABLE 1: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING A), VERO BEACH, FLORIDA

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	Gray Textured Wall & Ceiling Finish	Walls & Ceilings throughout all units, sampled in 49DR, 51LR, 52LR, 53Hall, 54LR	NA	NAD	NA	NA	NA
2	Brown Patterned 12"x12" VFT (*layered)	Sampled in Unit 47K, 48K, 50DR, 51LR, 52BR, 53K	80 SF/DR, max *700-900 SF /unit	3% C in *Tan VFT only under Brown VFT	Nonfriable	Good	I
3	*Tan 12"x12" VFT with tan glue	Sampled in Unit 46HC, 46 So.BR, 50BR, 53BR, 54K, 54BR's	9 SF/WHC, see max quant in HA2	3% C in *VFT only	Nonfriable	Good	I
4	*Tan 12"x12" VFT with black mastic	Sampled in Unit 49K, 51DR, 53K, 54HWH	70 SF/K, see max quant in HA2	3% C in VFT & 3% in Mastic	Nonfriable	Good	I
5	White 12"x12" VFT and glue (*layered)	Sampled in Unit 52 K	70 SF/K, see max quant in HA2	3% C in *Tan VFT only	Nonfriable	Good	I
6	Black BUR	Roof North, Center, & East	NA	NAD	NA	NA	NA
7	Black Edge Flashing Cement	Roof East & West	NA	NAD	NA	NA	NA
8	VTR Cement	Roof protrusions, Center	NA	NAD	NA	NA	NA
9	Black Kitchen Hood Exhaust Vent Sealer	Perimeter of Vent on roof, North	NA	NAD	NA	NA	NA

Room Designations: LR-Living Room, K-Kitchen, BR- Bed Room, DR-Dining Room, HC-Hall Closet, HWH- under Hot Water Heater  
 NA = Not Applicable NAD = No Asbestos Detected C = Chrysotile Asbestos  
 \* ACM Tan VFT may be original flooring layer with or without black ACM mastic. Total extent of HA under ceramic tile may be the entire unit

**TABLE 2: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING B), VERO BEACH, FLORIDA**

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	Gray Textured Wall & Ceiling Finish	Sampled in Units 37Hall, 38LR, 42Hall, 43LR, 44LR	NA	NAD	NA	NA	NA
2	Brown Patterned 12"x12" VFT (*layered)	Sampled in Units 33K, 37Entrance, 39Bath, 40LR, 42Bath, 43LR	12 SF at Entrance, 180 SF/LR Max 700-1,000 SF /unit	3% C in *Tan VFT below	Nonfriable	Good	I
3	12x12" Tan VFT with mastic	Sampled in Units 35HWH, 36HWH, 37HWH, 39HallHWH, 40HallHWH	9 SF/HWH see max quant in HA2	3% C in *VFT & 3% C in mastic	Nonfriable	Good	I
4	12x12" Tan VFT with glue	Sampled in Units 34K, 37Hall, 38Entrance, 42DR, 43BR	80 SF/K see max quant in HA2	2% C in *VFT only	Nonfriable	Good	I
5	Black/Gray Mastic on Thinset	Bathroom Unit 41	35 SF in this one only	5% C	Nonfriable	Good	I
6	Black BUR	Roof, Sampled North., Center. & South	NA	NAD	NA	NA	NA
7	Black Edge Flashing Cement	Roof Edge, Sampled West & East	NA	NAD	NA	NA	NA
8	Black VTR Cement	Roof Protrusions, Sampled Center	NA	NAD	NA	NA	NA
9	Black Kitchen Hood Exhaust Sealer	Roof, North Side	NA	NAD	NA	NA	NA
10	Black Pebble BUR	Electrical Room, Roof	NA	NAD	NA	NA	NA

Room Designations: LR-Living Room, K-Kitchen, BR- Bed Room, DR-Dining Room, HC-Hall Closet, HWH- under Hot Water Heater

NA = Not Applicable NAD = No Asbestos Detected C = Chrysotile Asbestos

\* ACM Tan VFT may be original flooring layer with or without black ACM mastic. Total extent of HA under ceramic tile may be the entire unit

TABLE 3: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING C), VERO BEACH, FLORIDA

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	White Textured Wall & Ceiling Finish	Sampled in Units 25LR, 26LR, & 32LR	NA	NAD	NA	NA	NA
2	Brown Patterned 12"x12" VFT (layered)	Sampled in Units 26K, 23K, & 30K	80 SF/K *700-900 SF/unit	2-3% C in base *VFT, 5% C Mastic	Nonfriable	Good	I
3	Beige 12"x12" VFT with mastic	Sampled in Units 25, 27, 28, 31, 32 under where the HWH was	9SF/Unit see max quant in HA2	2% C *VFT & 3% in Mastic	Nonfriable	Good	I
4	Tan 12"x12" VFT with glue	Sampled in Units 26LR, 25K&LR, 27BR, K, LR	180 SF/LR, see max quant in HA2	2% C *VFT	Nonfriable	Good	I
5	Black/Gray Mastic on Thin Set	Unit 26 Bathroom	35 SF in bathroom	2% C VFT	Nonfriable	Good	I
6	Brown 12"x12" VFT (layered)	Unit 30, DR & K	80 SF/DR/K see max quant in HA2	2% C *VFT in base layer	Nonfriable	Good	I
7	White/Blue 12"x12" VFT	Unit 30, Bathroom	NA	NAD	NA	NA	NA
8	Black BUR	Roof, Sampled East, Center.& West	NA	NAD	NA	NA	NA
9	Black EFC	Roof Edge, Sampled South & North	NA	NAD	NA	NA	NA
10	Black VTR Cement	Roof Protrusions, Sampled South	NA	NAD	NA	NA	NA
11	Black Kitchen Exhaust Hood Sealer	Roof, South Side	NA	NAD	NA	NA	NA
12	Black Pebble BUR	Electrical Room, Roof	NA	NAD	NA	NA	NA

Room Designations: LR-Living Room, K-Kitchen, BR- Bed Room, DR-Dining Room, HC-Hall Closet, HWH- under Hot Water Heater

NA = Not Applicable NAD = No Asbestos Detected C = Chrysotile Asbestos

\* ACM Tan VFT may be original flooring layer with or without black ACM mastic. Total extent of HA under ceramic tile may be the entire unit

**TABLE 4: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING D), VERO BEACH, FLORIDA**

Homogeneous Areas (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	White Textured Wall Finish	Sampled in Units 14 LR, 15 Hall, & 22 DR	NA	NAD	NA	NA	NA
2	White Textured Ceiling Finish	Sampled in Units 13 LR, 14 Hall, 16 LR, 17 DR, 18 LR, 19 Hall, 20 LR, & 22 K	NA	<1%	NA	NA	NA
3	*Tan 12"x12" VFT w/ mastic	Sampled in Units 13 HWH, 16 K, & 21 K	9SF/HWH *700-900 SF /unit	2% C in *VFT & 3% C in mastic	Nonfriable	Good	I
4	*Tan 12"x12" VFT w/glue	Sampled in Units 15 LR, 17 DR, & 21 LR	180 SF/LR see max quant in HA3	2% C in *VFT	Nonfriable	Good	I
5	Beige/Gray 12"x12" VFT w/mastic	Sampled in Unit 13, Bathroom	35 SF	2% in Mastic	Nonfriable	Good	I
6	Brown Patterned 12"x12" VFT	Sampled in Units 19 LR, & 21 HWH,	NA	NAD	NA	NA	NA
7	Linoleum/Lt. Beige 12"x12" VFT Layered	Sampled in Unit 16 K	80 SF see max quant in HA3	2% C in *VFT only	Nonfriable	Good	I
8	Brown Cove Base Molding	Sampled in Unit 16 LR	NA	NAD	NA	NA	NA
9	Black BUR	Sampled on Roof, North, Center, & South sides	NA	NAD	NA	NA	NA
10	Black EFC	Sampled on roof edge East & West sides	NA	NAD	NA	NA	NA
11	Black VTR Cement	Sampled on Roof Protrusion North side	NA	NAD	NA	NA	NA
12	Black Kitchen Exhaust Hood Sealer	Sampled on Roof Vent North Side	NA	NAD	NA	NA	NA
13	Black Pebble BUR	Electrical Room Roof	NA	NAD	NA	NA	NA

Room Designations: LR-Living Room, K-Kitchen, BR- Bed Room, DR-Dining Room, HC-Hall Closet, HWH- under Hot Water Heater

NA = Not Applicable NAD = No Asbestos Detected C = Chrysotile Asbestos

\* ACM Tan VFT may be original flooring layer with or without black ACM mastic. Total extent of HA under ceramic tile may be the entire unit

TABLE 5: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING E), VERO BEACH, FLORIDA

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	Gray Interior Plaster Coat	Sampled in Units 1 LR, 7 Hall, & 8 DR	NA	NAD	NA	NA	NA
2	White Textured Ceiling Finish	Sampled in Units 1 LR, 3 LR, 8 Hall, 9 DR, & 7 K	700-1,000 SF/unit	2-3% C	Friable	Good	RACM
3	*Tan 12"x12" VFT w/mastic	Sampled in Units 2 BR, 3 HWH & 9 HWH	*700-1,000 SF/unit	3% in *VFT & Mastic	Nonfriable	Good	I
4	*Brown Patterned VFT	Sampled in Units 1 LR, 7 Hall & 8 DR	see max quant in HA3	2% C in *VFT	Nonfriable	Good	I
5	*Tan 12"x12" VFT w/glue	Sampled in Units 1 LR, 2 LR, 7 DR, 8 LR, & 9 K	see max quant in HA3	3% C in *VFT	Nonfriable	Good	I
6	White Linoleum Layered	Sampled in Unit 2 BR	NA	NAD	NA	NA	NA
7	Brown Cove Base Mastic	Sampled in Unit E10 DR	NA	NAD	NA	NA	NA
8	Black Cove Base Molding	Sampled in Unit E12 LR,	NA	NAD	NA	NA	NA
9	Black BUR	Sampled on Roof East, West & Center	NA	NAD	NA	NA	NA
10	Black EFC	Sampled on Roof Edge North & South sides	NA	NAD	NA	NA	NA
11	Black VTR Cement	Sampled on Roof protrusion in Center	NA	NAD	NA	NA	NA
12	Black Kitchen Hood Exhaust Sealer	Sampled on Roof on East Side	NA	NAD	NA	NA	NA
13	Black Pebble BUR	Sampled on Electrical Room Roof	NA	NAD	NA	NA	NA

Room Designations: LR-Living Room, K-Kitchen, BR- Bed Room, DR-Dining Room, HC-Hall Closet, HWH- under Hot Water Heater

NA = Not Applicable NAD = No Asbestos Detected C = Chrysotile Asbestos

\* ACM Tan VFT may be original flooring layer with or without black ACM mastic. Total extent of HA under ceramic tile may be the entire unit



**TABLE 6: SURVEY RESULTS FOR GIFFORD GARDENS APARTMENTS (BUILDING F OFFICE), VERO BEACH, FLORIDA**

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
1	White drywall Panels	Rear offices	NA	NAD	NA	NA	NA
2	White Textured Ceiling Finish	Front Office, Shop, Rear offices	900 SF/flr = max 1,800 SF	3% C	Friable	Good	RACM
3	Black Shingle BUR	Roof Deck	NA	NAD	NA	NA	NA

NA = Not Applicable    NAD = No Asbestos Detected    C = Chrysotile Asbestos

## SECTION 5.0

### RECOMMENDATIONS

#### 5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

The following materials were identified as RACM during this survey:

- White textured ceiling treatment in Building E 12 apt units.
- White textured ceiling treatment in office Building F floors 1 & 2

These materials must be removed from the structures prior to demolition since the forces of demolition would release asbestos fibers during demolition operations. Specifically, any demolition activity that will crush, abrade, or dissolve the matrix of these materials must be performed by a Florida-licensed Asbestos Contractor.

#### 5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM

The following materials were identified as Category I Nonfriable ACM during this limited survey:

- Brown Patterned 12"x12" VFT.
- Tan 12"x12" VFTs with glue under ceramic.
- Tan 12"x12" VFTs with mastic under ceramic.
- Black/grey mastic/set in some bathrooms where observed/sampled.

These materials may remain on the structure during wet demolition provided they remain nonfriable. However, they must be removed prior to any activities that would release asbestos fibers. Specifically, any demolition activity that will crush, abrade, or dissolve the matrix of these materials must be performed by a Florida-licensed Asbestos Contractor. If they can remain intact during wet demolition, then removal is not required, but the contractor must still follow NESHAP guidelines and OSHA training and protection requirements.

#### 5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM

No materials were identified as Category II Nonfriable ACM during this limited survey.

#### 5.4 GENERAL RECOMMENDATIONS

Based on the results of this survey, EE&G has the following general recommendations:

- If other specific areas at this location (or other buildings) are to be impacted during planned renovations or demolition, an asbestos survey of these areas will be required.
- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

## 5.5 SPECIFIC RECOMMENDATIONS

Based on the results of this demolition survey, EE&G has the following specific recommendations:

- Prior to demolition activities, the property should be inspected for all potentially hazardous materials. The identified materials should be removed from the property, and properly disposed of in accordance with federal, state, and local regulations.
- Removal of RACM or Category II Nonfriable ACM that is likely to become friable must be performed prior to demolition by a Florida-licensed Asbestos Contractor.
- Demolition activities shall be conducted in accordance with 40 CFR 61 (NESHAP). It is recommended that contractor personnel receive a copy of EPA guidance on wet methods for asbestos removal and demolition, as well as the EPA guidance document on demolition practices under the asbestos NESHAP.
- Workers who perform demolition activities must comply with the OSHA construction standard for Occupational Exposure to Asbestos (CFR 1926.1101), and a NESHAP competent person must be present on the project during demolition to note changes in the condition of ACM impacted during wet demolition.
- Where ACM is being disturbed, either by wet demolition or removed prior to demolition, OSHA requires that workers be monitored for exposure to airborne fibers so that an exposure assessment may be made to determine the appropriate level of respiratory protection. Only a Project Monitor working under the direction of a Florida-licensed consultant may perform airborne fiber monitoring.
- For structures where RACM will be removed prior to demolition, a licensed asbestos consulting firm should perform daily air monitoring during asbestos removal to document the air quality, perform daily inspections, and provide final visual inspections and final air clearance testing.
- For structures undergoing wet demolition with nonfriable ACM present, a licensed asbestos consulting firm should perform daily air monitoring for airborne fibers to document the ambient air quality during demolition.
- EE&G recommends a walk-through of the property with the owner/owners representative and the demolition contractor prior to commencement of demolition activities. The demolition contractor should be provided the Pre-Demolition Survey Report, and should inspect the property for unidentified ACM. Any unidentified suspect ACM should be sampled and analyzed prior to the start of demolition activities.
- The Indian River County DEP requires notification of intent to demolish. Notification must be sent at least 10 working days prior to the start of any construction activities. The general contractor should also keep a copy of this survey at the construction site during the entire construction project as proof of compliance with 40 CFR 61 (NESHAP).


SECTION 6.0  
SIGNATURE PAGE

Submitted by



Richard Grupenhoff  
Sr. Project Manager EE&G  
Certified Abatement Designer

Reviewed by



Daniel J. Cottrell, Ph.D., P. G.  
Senior Technical Advisor, EE&G  
Asbestos Consultant #DD0000010

**APPENDIX A**

**GENERAL TERMS:**

**TYPES OF ASBESTOS-CONTAINING MATERIALS  
TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS  
NESHAP CATEGORIES FOR ACM**

## TYPES OF ASBESTOS-CONTAINING MATERIALS

### Asbestos-Containing Material (ACM)

Asbestos-containing materials, as defined by National Emission Standards for Hazardous Air Pollutants (NESHAP), are materials that have an asbestos content of greater than 1 percent.

### Friable Material

Material that can be crumbled or reduced to a powder using normal hand pressure. Nonfriable material is too hard to be crumbled or reduced to a powder without the use of tools. Nonfriable materials may become friable if abraded or broken.

### Suspect Materials

There are three broad classes that define suspect, asbestos-containing materials. These are: 1) surfacing material, 2) thermal system insulation, and 3) miscellaneous material. All materials that fit the description of these materials (as described below) are suspected to contain asbestos, until sampled and analyzed.

- **Surfacing Material** - Materials applied by spray or trowel are classified as surfacing materials. Asbestos was used in a variety of surfacing materials for fireproofing, acoustic dampening, condensation control, and decorative purposes. Surfacing materials that contain asbestos usually occur as fireproofing on steel-frame members, textured ceilings, or acoustic plaster ceilings.
- **Thermal System Insulation (TSI) Material** - Chill water, hot water, and steam-generating mechanical systems are frequently insulated with materials that contain asbestos. Pipes may be insulated with a nonasbestos-containing material, but have mastic or plastered joints that contain asbestos. Insulation materials that contain asbestos are generally found in boiler rooms and chiller rooms, in pipe chases in walls, in pipe runs above suspended ceilings, or in crawl spaces under buildings. Insulation covered with an undamaged jacket or wrap is classified as nonfriable. Adhesives used to hold insulation in place or provide an airtight seal are also nonfriable materials. Most other types of thermal insulation are friable.
- **Miscellaneous Material** - Miscellaneous building materials are materials which are used for finishing of interior spaces, or adhesive materials applied to building materials and roofs. These materials have been manufactured with asbestos for strength enhancement, fire retardation, condensation control, acoustical dampening, or corrosion resistance. The most common type of friable miscellaneous material is ceiling tile. Most other miscellaneous materials are nonfriable materials such as vinyl floor tile, adhesives, and cementitious panels (Transite™).

## **TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS (ACRM)**

### **Field Membrane**

This area is usually the predominant part of any roof deck and is comprised of all nonflashed areas and is applied directly to the roof substrate over an intermediate insulating layer. It usually consists of alternating layers of rolled-out felts and hot tar, topped with more hot tar to waterseal, and gravel. The asbestos, if found, is in one or more of the layers of tar or may be in the felts themselves.

### **Edge Flashing**

This component consists of a cold bull/pitch applied to the substrate around the perimeter of a flat roof deck. An additional 8" - 12" of felt is applied to the bull/pitch to seal the edge of the roof substrate before a 4" - 6" piece of metal drip guard is placed over these materials to counterflash and protect against wind and rain. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

### **Wall Base/Parapet Flashing**

This component consists of a cold bull/pitch applied to the roof substrate, adjoining wall base, fan/vent, scupper trough, hatch, chimney, or raised parapet wall. An additional 12" - 48" of felt (often painted silver) is applied to the bull/pitch to seal the edges of the roof substrate, wall(s), or the side or top of the concrete parapet wall. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

### **Roof Fixture Flashing**

This component consists of a cold bull/pitch applied to the roof substrate around any of the following fixtures: roof drain, vent-thru-roof stack (VTR), pitch pan, gooseneck vents, mechanical equipment supports, or any other roof penetration. An additional sheet of metal counterflashing (extending 4" - 24" from the center) is applied to the bull/pitch to seal the edges to the roof substrate. The field membrane felts are placed over up to the fixture sides to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

**NESHAP CATEGORIES FOR ACM****Regulated ACM (RACM)**

All ACM that is friable or likely to become friable during renovation or demolition activities is considered to be RACM. These materials must be removed from buildings prior to renovation or demolition activities that will disturb them.

**Category I Nonfriable ACM**

Resilient flooring, such as vinyl floor tile and rolled vinyl sheeting, valve packings and gaskets, and asphalt (bituminous) roofing materials are all classified as Category I Nonfriable materials. If these materials are in good condition, they are not likely to become friable during demolition, and therefore, may remain in place for demolition. However, these materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

**Category II Nonfriable ACM**

Category II materials are all other nonfriable materials that are not classified as Category I. Asbestos cement products and plaster are the most common types of Category II materials. Most Category II materials are likely to become friable during demolition, and therefore, must be removed prior to demolition. These materials must be removed prior to renovations if the renovation involves alteration that would render them friable.



**APPENDIX B**  
**LABORATORY ANALYSIS REPORTS**  
**PLM RESULTS**  
**(BUILDINGS A THRU F)**



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007082

Fax:  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apts Building #A**

Phone: (305) 374-8300  
EMSL Proj:  
Analysis Date: 12/17/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-1 171007082-0001	Textured Wall/Ceiling	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
UM020410-2 171007082-0002	Textured Wall/Ceiling	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
UM020410-3 171007082-0003	Textured Wall/Ceiling	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
UM020410-4 171007082-0004	Textured Wall/Ceiling				Not Analyzed
UM020410-5 171007082-0005	Textured Wall/Ceiling				Not Analyzed
UM020410-6 171007082-0006	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-6A 171007082-0006A	Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/17/2010 09:37:53

Analyst(s)  
Edgar Rodriguez (28)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-7 171007082-0007	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-7A 171007082-0007A	Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-8 171007082-0008	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-8A 171007082-0008A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-9 171007082-0009	Vinyl Floor Tile				Not Analyzed
UM020410-10 171007082-0010	Vinyl Floor Tile				Not Analyzed
UM020410-10A 171007082-0010A	Mastic				Not Analyzed

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Analysis Date: 12/17/2010

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-11 171007082-0011	Vinyl Floor Tile				Not Analyzed
UM020410-12 171007082-0012	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-12A 171007082-0012A	Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-13 171007082-0013	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-13A 171007082-0013A	Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-14 171007082-0014	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-14A 171007082-0014A	Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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EMSL Proj:  
Analysis Date: 12/17/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-15 171007082-0015	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-15A 171007082-0015A	Mastic				Not Analyzed
UM020410-16 171007082-0016	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-17 171007082-0017	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-17A 171007082-0017A	Mastic				Not Analyzed
UM020410-18 171007082-0018	Vinyl Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-18A 171007082-0018A	Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Initial report from 12/17/2010 09:37:53

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Edgar Rodriguez (28)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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EMSL Order: 171007082

Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apts Building #A**

EMSL Proj:  
Analysis Date: 12/17/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-19 <i>171007082-0019</i>	Vinyl Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-19A <i>171007082-0019A</i>	Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
UM020410-20 <i>171007082-0020</i>	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-20A <i>171007082-0020A</i>	Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-21 <i>171007082-0021</i>	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-21A <i>171007082-0021A</i>	Mastic				Stop Positive (Not Analyzed)
UM020410-22 <i>171007082-0022</i>	Vinyl Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/17/2010 09:37:53

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EMSL Proj:  
Analysis Date: 12/17/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-22A 171007082-0022A	Vinyl Floor Tile	Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-23 171007082-0023	BUR	Black Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
UM020410-24 171007082-0024	BUR	Black Fibrous Heterogeneous	3% Cellulose 10% Glass	87% Non-fibrous (other)	None Detected
UM020410-25 171007082-0025	BUR	Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (other)	None Detected
UM020410-26 171007082-0026	EFC	Black Non-Fibrous Homogeneous	3% Cellulose 3% Glass	94% Non-fibrous (other)	None Detected
UM020410-27 171007082-0027	EFC	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
UM020410-28 171007082-0028	VTR Cement	Black Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

Initial report from 12/17/2010 09:37:53

Analyst(s)  
Edgar Rodriguez (28)

*Kimberly A. Wallace*  
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Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

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Customer ID: EEG50  
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Project: **2011-6019/JDEMOSURV Gifford Gardens Apts Building #A**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/17/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-29 171007082-0029	Kitchen Hood	Black Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

Initial report from 12/17/2010 09:37:53

Analyst(s)  
Edgar Rodriguez (28)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
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171007082



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

### BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC

PROJECT: Gifford Gardens Apts Bldg# **A**

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-9-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: " "

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>GRAY</u>	<u>TEXTURED WALL + Ceiling</u>	<u>Unit 49 DR</u>
2. <u>2</u>			<u>51 LR</u>
3. <u>3</u>			<u>52 LR</u>
4. <u>4</u>			<u>53 HALL</u>
5. <u>5</u>	<u>↓</u>	<u>↓</u>	<u>54 LR</u>
6. <u>6</u>	<u>BROWN</u>	<u>12X12" VFT</u>	<u>UNIT 47 K</u>
7. <u>7</u>			<u>48 K</u>
8. <u>8</u>			<u>50 DINE Rm</u>
9. <u>9</u>			<u>51 LR</u>
10. <u>10</u>			<u>52 BR</u>
11. <u>11</u>	<u>↓</u>	<u>↓</u>	<u>53 KIT</u>
12. <u>12</u>	<u>TAN</u>	<u>12"X12" VFT w/glue</u>	<u>UNIT 46 HALL Closet</u>
13. <u>13</u>			<u>46 SO BR</u>
14. <u>14</u>			<u>50 BR</u>
15. <u>15</u>			<u>53 BR's</u>
16. <u>16</u>			<u>54 KIT</u>
17. <u>17</u>	<u>↓</u>	<u>↓</u>	<u>54 BR's</u>
18. <u>18</u>	<u>TAN</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 49 KIT</u>
19. <u>19</u>			<u>51 DINE</u>
20. <u>20</u>	<u>↓</u>	<u>↓</u>	<u>53 KIT</u>

CHAIN OF CUSTODY:  
DATE/TIME

12-9-10  
12-14-10  
12/14/10

PRINT NAME/SIGNATURE

Bob Miao / Warren ADAMS

SF / LPM

PURPOSE

C  T  A  
 C  T  A  
 C  T  A

C= Collection T= Transportation A= Analysis

171007082  
Bldg A



**CONTINUATION OF  
BULK TRANSMITTAL FORM  
CHAIN OF CUSTODY**

CLIENT: IRBOCC

SAMPLE PREFIX 101209BM A2

PROJECT NUMBER: 2011-6019

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>21</u>	<u>TAN</u>	<u>12X12" UET</u>	<u>UNIT 52L HWH</u>
2. <u>22</u>	<u>White</u>	<u>12X12" UET</u>	<u>UNIT 52L KIT</u>
3. <u>23</u>	<u>BLACK</u>	<u>BUR</u>	<u>ROOF NO</u>
4. <u>24</u>	<u>↓</u>	<u>↓</u>	<u>↓ CNTR</u>
5. <u>25</u>	<u>↓</u>	<u>↓</u>	<u>↓ EAST</u>
6. <u>26</u>	<u>BLACK</u>	<u>EFC</u>	<u>ROOF EAST</u>
7. <u>27</u>	<u>↓</u>	<u>↓</u>	<u>↓ WEST</u>
8. <u>28</u>	<u>BLACK</u>	<u>UTR Cement</u>	<u>ROOF CTR</u>
9. <u>29</u>	<u>BLACK</u>	<u>Kitchen Hood</u>	<u>ROOF North</u>
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33.			
34.			
35.			

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE 

PURPOSE  
C T A  
C T A  
C T A

C= Collection T= Transportation A= Analysis



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007085

Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apartments #B**

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-1 171007085-0001	Textured Wall/Ceiling Finish	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMB-2 171007085-0002	Textured Wall/Ceiling Finish	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMB-3 171007085-0003	Textured Wall/Ceiling Finish	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMB-4 171007085-0004	Textured Wall/Ceiling Finish				Not Analyzed
101209BMB-5 171007085-0005	Textured Wall/Ceiling Finish				Not Analyzed
101209BMB-6 171007085-0006	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMB-7 171007085-0007	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 16:19:31

Analyst(s)

Kim Wallace (28)

Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



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

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Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apartments #B**

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-7A 171007085-0007A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
101209BMB-8 171007085-0008	Self-Stick Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-9 171007085-0009	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMB-10 171007085-0010	Self-Stick Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-11 171007085-0011	Self-Stick Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-11A 171007085-0011A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMB-12 171007085-0012	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Initial report from 12/20/2010 16:19:31

Analyst(s)  
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*Kimberly A. Wallace*  
\_\_\_\_\_  
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Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

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Fax: Phone: (305) 374-8300  
Project: 2011-6019/JDEMOSURV Gifford Gardens Apartments #B

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-12A 171007085-0012A	Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
101209BMB-13 171007085-0013	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-13A 171007085-0013A	Mastic				Stop Positive (Not Analyzed)
101209BMB-14 171007085-0014	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-14A 171007085-0014A	Mastic				Stop Positive (Not Analyzed)
101209BMB-15 171007085-0015	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-15A 171007085-0015A	Mastic				Stop Positive (Not Analyzed)

Initial report from 12/20/2010 16:19:31

Analyst(s)  
Kim Wallace (28)

*Kimberly A Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
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EMSL Order: 171007085

Fax:  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apartments #B**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-16 171007085-0016	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-16A 171007085-0016A	Mastic				Stop Positive (Not Analyzed)
101209BMB-17 171007085-0017	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMB-17A 171007085-0017A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-18 171007085-0018	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-18A 171007085-0018A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-19 171007085-0019	Vinyl Floor Tile				Stop Positive (Not Analyzed)

Initial report from 12/20/2010 16:19:31

Analyst(s)  

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*Kim Wallace (28)*

*Kimberly A. Wallace*  

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or other approved signatory

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

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**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
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Received: 12/14/10 1:00 PM  
EMSL Order: 171007085

Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apartments #B**

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-19A 171007085-0019A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-20 171007085-0020	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-20A 171007085-0020A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-21 171007085-0021	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMB-21A 171007085-0021A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMB-22 171007085-0022	Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
101209BMB-23 171007085-0023	BUR	Black Non-Fibrous Heterogeneous	10% Synthetic 10% Glass	80% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 16:19:31

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*Kimberly A. Wallace*  
\_\_\_\_\_  
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Fax: Phone: (305) 374-8300  
Project: 2011-6019/JDEMOSURV Gifford Gardens Apartments #B

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMB-24 171007085-0024	BUR	Black Non-Fibrous Heterogeneous	10% Glass 10% Synthetic	80% Non-fibrous (other)	None Detected
101209BMB-25 171007085-0025	BUR	Black Non-Fibrous Heterogeneous	10% Glass 10% Synthetic	80% Non-fibrous (other)	None Detected
101209BMB-26 171007085-0026	EFC	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMB-27 171007085-0027	EFC	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMB-28 171007085-0028	VTR Cement	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMB-29 171007085-0029	Kitchen Hood Exhaust	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMB-30 171007085-0030	Pebble BUR	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 16:19:31

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171007085



EE&G Environmental Services  
 14505 Commerce Way, Suite 400  
 Miami Lakes, Florida 33016

## BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC PROJECT: Gifford Gardens Apts Bldg# B  
 CLIENT CONTACT: Jose Guanch PROJECT NUMBER: 2011-6019/JDEMOSURV  
 DATE COLLECTED: DEC. 9, 2010 DATE VERBAL NEEDED: 5 DAY TAT  
 DATE SENT: Dec 14 '10 DATE WRITTEN NEEDED: " " "  
 STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>GRAY</u>	<u>TEXTURED WALL + CEILING FIN</u>	<u>UNIT 37 - HALL</u>
2. <u>2</u>	↓	↓	<u>38 - LR</u>
3. <u>3</u>	↓	↓	<u>42 - HALL</u>
4. <u>4</u>	↓	↓	<u>43 - LR</u>
5. <u>5</u>	↓	↓	<u>44 - LR</u>
6. <u>6</u>	<u>BROWN</u>	<u>PATTERNED 12X12 VFT</u>	<u>UNIT 33 - K</u>
7. <u>7</u>	↓		<u>37 - ENTRANCE</u>
8. <u>8</u>	↓		<u>39 - BATH</u>
9. <u>9</u>	↓		<u>40 - LR</u>
10. <u>10</u>	↓		<u>42 - BATH</u>
11. <u>11</u>	↓		<u>43 - LR</u>
12. <u>12</u>	<u>TAN</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 35 - HWH</u>
13. <u>13</u>	↓	↓	<u>36 - HWH</u>
14. <u>14</u>	↓	↓	<u>37 - HWH</u>
15. <u>15</u>	↓	↓	<u>39 - HALL - HWH</u>
16. <u>16</u>	↓	↓	<u>40 - HWH - HALL</u>
17. <u>17</u>	<u>TAN</u>	<u>12"X12" VFT w/gum</u>	<u>UNIT 34 - KIT</u>
18. <u>18</u>	↓	↓	<u>37 - HALL</u>
19. <u>19</u>	↓	↓	<u>38 - ENTRANCE</u>
20. <u>20</u>	↓	↓	<u>42 - DINE</u>

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12-9-10  
12-14-10  
10/24/10

Bob Mico / Warren Adams  
JP 10m

T A  
 C T A  
 C T A

C= Collection T= Transportation A= Analysis

171007085



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRBOCC

Bldg B

SAMPLE PREFIX 101209BM B

PROJECT NUMBER: 2011-6019

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 21	TAN	12"X12" V FT w/glue	Unit 43 - BR
2. 22	GRAY	MASTIC ON THINSET	BATH ROOM Unit 41
3. 23	Black	BUR	ROOF NO
4. 24	↓	↓	↓ CNTR
5. 25	↓	↓	↓ SO
6. 26	Black	EFC	ROOF West
7. 27	↓	↓	↓ EAST
8. 28	Black	VTR cement	ROOF CNTR
9. 29	Black	Kitchen Hood Exhaust	ROOF North Side
10. 30	Black	PEBBLE BUR	Utility Room
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35.			

CHAIN OF CUSTODY: DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

C T A  
C T A  
C T A

C= Collection T= Transportation A= Analysis



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**EE & G**  
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**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007087

Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #C**

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-1 171007087-0001	Textured Wall/Ceiling Apartments Building #C	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMC-2 171007087-0002	Textured Wall/Ceiling Apartments Building #C	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMC-3 171007087-0003	Textured Wall/Ceiling Apartments Building #C	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMC-4 171007087-0004	Self-Stick Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-4A 171007087-0004A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-4B 171007087-0004B	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 14:54:00

Analyst(s)  
Kim Wallace (37)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
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Fax:  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #C**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-5 171007087-0005	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMC-5A 171007087-0005A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMC-5B 171007087-0005B	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-6 171007087-0006	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
101209BMC-6A 171007087-0006A	Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
101209BMC-7 171007087-0007	Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
101209BMC-7A 171007087-0007A	Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Initial report from 12/20/2010 14:54:00

Analyst(s)

Kim Wallace (37)

Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007087

Fax: Phone: (305) 374-8300  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #C**

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-8 171007087-0008	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMC-8A 171007087-0008A	Mastic				Stop Positive (Not Analyzed)
101209BMC-9 171007087-0009	Vinyl Floor Tile	Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BMC-9A 171007087-0009A	Mastic				Stop Positive (Not Analyzed)
101209BMC-10 171007087-0010	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMC-10A 171007087-0010A	Mastic				Stop Positive (Not Analyzed)
101209BMC-11 171007087-0011	Vinyl Floor Tile				Stop Positive (Not Analyzed)

Initial report from 12/20/2010 14:54:00

Analyst(s)

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Fax: Phone: (305) 374-8300  
Project: 2011-6019/JDEMOSURV Gifford Apartments Building #C

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-11A 171007087-0011A	Mastic				Stop Positive (Not Analyzed)
101209BMC-12 171007087-0012	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMC-12A 171007087-0012A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-13 171007087-0013	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMC-13A 171007087-0013A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-14 171007087-0014	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMC-14A 171007087-0014A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 14:54:00

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EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-15 171007087-0015	Vinyl Floor Tile		5		Stop Positive (Not Analyzed)
101209BMC-15A 171007087-0015A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-16 171007087-0016	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BMC-16A 171007087-0016A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-17 171007087-0017	Mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMC-18 171007087-0018	Self-Stick Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-18A 171007087-0018A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-18B <i>171007087-0018B</i>	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-18C <i>171007087-0018C</i>	Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BMC-19 <i>171007087-0019</i>	Self-Stick Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-19A <i>171007087-0019A</i>	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-19B <i>171007087-0019B</i>	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-20 <i>171007087-0020</i>	Self-Stick Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BMC-21 <i>171007087-0021</i>	BUR	Black Non-Fibrous Heterogeneous	10% Glass 10% Cellulose	80% Non-fibrous (other)	None Detected

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Fax:  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #C**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BMC-22 171007087-0022	BUR	Black Non-Fibrous Homogeneous	10% Glass 10% Synthetic	80% Non-fibrous (other)	None Detected
101209BMC-23 171007087-0023	BUR	Black Non-Fibrous Heterogeneous	10% Glass 10% Synthetic	80% Non-fibrous (other)	None Detected
101209BMC-24 171007087-0024	EFC	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMC-25 171007087-0025	EFC	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMC-26 171007087-0026	VTR Cement	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
101209BMC-27 171007087-0027	Kitchen Hood Exhaust	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
101209BMC-28 171007087-0028	Pebble BUR	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

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171007087



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

# BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC

PROJECT: Gifford Gardens Apts Bldg# C

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-9-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: 5 DAY TAT

STOP AT FIRST POSITIVE:  Y  N (circle one)

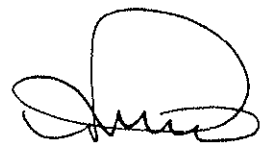
SAMPLE PREFIX ~~UM-020410~~ 101209BMC

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>white</u>	<u>TEXTURED WALL + CEILING</u>	<u>FIN-UNIT 25 LR</u>
2. <u>2</u>	↓	↓ ↓ ↓	↓ " <u>26 LR</u>
3. <u>3</u>	↓	↓ ↓ ↓	↓ " <u>32 LR</u>
4. <u>4</u>	<u>BROWN</u>	<u>PATTERNED 12"X12" VFT</u>	<u>UNIT 26 KIT</u>
5. <u>5</u>	↓	↓ ↓	↓ <u>23 KIT</u>
6. <u>6</u>	↓	↓ ↓	↓ <u>30 KIT</u>
7. <u>7</u>	<u>Beige</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 25 HWH</u>
8. <u>8</u>	↓	↓ ↓ ↓	↓ <u>27 HWH</u>
9. <u>9</u>	↓	↓ ↓ ↓	↓ <u>28 BATHROOM</u>
10. <u>10</u>	↓	↓ ↓ ↓	↓ <u>31 HWH</u>
11. <u>11</u>	↓	↓ ↓ ↓	↓ <u>32 HWH</u>
12. <u>12</u>	<u>TAN</u>	<u>12"X12" VFT w/gue</u>	<u>UNIT 26 LR</u>
13. <u>13</u>	↓	↓ ↓ ↓	↓ <u>25 K+LR</u>
14. <u>14</u>	↓	↓ ↓ ↓	↓ <u>27 BR, K, LR</u>
15. <u>15</u>	↓	↓ ↓ ↓	↓ <u>29 BR, LR, D</u>
16. <u>16</u>	↓	↓ ↓ ↓	↓ <u>32 LR</u>
17. <u>17</u>	<u>gray</u>	<u>MASTIC ON THINSET</u>	<u>UNIT 26 BATHROOM</u>
18. <u>18</u>	<u>BROWN</u>	<u>LAYEDED 12X12 VFT</u>	<u>UNIT 30 DR</u>
19. <u>19</u>	↓	↓ ↓ ↓	↓ <u>30 K</u>
20. <u>20</u>	<u>white/blue</u>	<u>12X12 VFT 20 SF</u>	<u>UNIT 30 BATH</u>

CHAIN OF CUSTODY:  
DATE/TIME

12/9/10  
12-14-10

PRINT NAME/SIGNATURE

Bob Miro, WARREN ADAMS 

PURPOSE

C I A  
 C T A  
 C T A

C= Collection T= Transportation A= Analysis

17100 7087



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRBOCC

Bldg C

PROJECT NUMBER: 2011-6019

SAMPLE PREFIX 101209BMC

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 21	BLACK	BUR	ROOF EAST
2. 22	↓	↓	↓ CNTR
3. 23	↓	↓	↓ WEST
4. 24	BLACK	EFC	ROOF SOUTH
5. 25	↓	↓	↓ NORTH
6. 26	BLACK	VTR cement	ROOF SOUTH
7. 27	BLACK	Kitchen Hood Exhaust	ROOF SOUTH
8. 28	BLACK	PEBBLE BUR	ROOF UTILITIES Bldg C
9.			
10.			
11.			
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31.			
32.			
33.			
34.			
35.			

CHAIN OF CUSTODY:

DATE/TIME 12-09-10 12-14-10

PRINT NAME/SIGNATURE Bob Miro/Waterway Adams

[Signature]

PURPOSE C T A C T A C T A

C= Collection T= Transportation A= Analysis



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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

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**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007084

Fax:  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #D**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-1 171007084-0001	Textured Wall Finish	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BM-2 171007084-0002	Textured Wall Finish	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BM-3 171007084-0003	Textured Wall Finish	Tan Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BM-4 171007084-0004	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-5 171007084-0005	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-6 171007084-0006	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-7 171007084-0007	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile

Initial report from 12/20/2010 11:44:01

Analyst(s)  
Kim Wallace (36)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
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Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-8 171007084-0008	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-9 171007084-0009	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-10 171007084-0010	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-11 171007084-0011	Textured Ceiling Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
101209BM-12 171007084-0012	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BM-12A 171007084-0012A	Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
101209BM-13 171007084-0013	Vinyl Floor Tile				Stop Positive (Not Analyzed)

Initial report from 12/20/2010 11:44:01

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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-13A 171007084-0013A	Mastic				Stop Positive (Not Analyzed)
101209BM-14 171007084-0014	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BM-14A 171007084-0014A	Mastic				Stop Positive (Not Analyzed)
101209BM-15 171007084-0015	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-15A 171007084-0015A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-16 171007084-0016	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BM-16A 171007084-0016A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/20/2010 11:44:01

Analyst(s)  
Kim Wallace (36)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007084

Fax:  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #D**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-17 171007084-0017	Vinyl Floor Tile				Stop Positive (Not Analyzed)
101209BM-17A 171007084-0017A	Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-18 171007084-0018	Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-18A 171007084-0018A	Mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BM-19 171007084-0019	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BM-19A 171007084-0019A	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-19B 171007084-0019B	Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-20 171007084-0020	Self-Stick Floor Tile	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
101209BM-21 171007084-0021	Linoleum	Beige Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
101209BM-21A 171007084-0021A	Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
101209BM-22 171007084-0022	Cove Base Molding	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-22A 171007084-0022A	Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
101209BM-23 171007084-0023	BUR	Black Non-Fibrous Heterogeneous	10% Synthetic 10% Glass	80% Non-fibrous (other)	None Detected
101209BM-24 171007084-0024	BUR	Black Non-Fibrous Heterogeneous	10% Synthetic 10% Glass	80% Non-fibrous (other)	None Detected

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EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101209BM-25 171007084-0025	BUR	Black Non-Fibrous Heterogeneous	10% Glass 10% Synthetic	80% Non-fibrous (other)	None Detected
101209BM-26 171007084-0026	EFC	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
101209BM-27 171007084-0027	EFC	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
101209BM-28 171007084-0028	EFC	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
101209BM-29 171007084-0029	Kitchen Hood Sealer	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
101209BM-30 171007084-0030	Pebble BUR	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

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171007084



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

# BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC

PROJECT: Gifford Gardens Apts Bldg# D

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-9-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: 5 DAY TAT

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX ~~UM 020410~~ 1012093M

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>White</u>	<u>Textured Wall Finish</u>	<u>UNIT 14 LR</u>
2. <u>2</u>	↓	↓ ↓ ↓	↓ <u>15 HALL</u>
3. <u>3</u>	↓	↓ ↓ ↓	↓ <u>22 DiningRm</u>
4. <u>4</u>	<u>White</u>	<u>Textured Ceiling Fin.</u>	<u>UNIT 13 LR</u>
5. <u>5</u>	↓	↓ ↓ ↓	↓ <u>14 HALL</u>
6. <u>6</u>	↓	↓ ↓ ↓	↓ <u>16 LR</u>
7. <u>7</u>	↓	↓ ↓ ↓	↓ <u>17 DR</u>
8. <u>8</u>	↓	↓ ↓ ↓	↓ <u>18 LR</u>
9. <u>9</u>	↓	↓ ↓ ↓	↓ <u>19 HALL</u>
10. <u>10</u>	↓	↓ ↓ ↓	↓ <u>20 LR</u>
11. <u>11</u>	↓	↓ ↓ ↓	↓ <u>22 KIT</u>
12. <u>12</u>	<u>TAN</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 13 HWH</u>
13. <u>13</u>	↓	↓ ↓ ↓	↓ <u>16 KIT</u>
14. <u>14</u>	↓	↓ ↓ ↓	↓ <u>21 KIT</u>
15. <u>15</u>	<u>TAN</u>	<u>12"X12" VFT w/glue</u>	<u>UNIT 15 LR</u>
16. <u>16</u>	↓	↓ ↓ ↓	↓ <u>17 DR</u>
17. <u>17</u>	↓	↓ ↓ ↓	↓ <u>21 LR</u>
18. <u>18</u>	<u>Beige/Creamy</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 13 Bathroom</u>
19. <u>19</u>	<u>BROWN</u>	<u>PATTERNED 12"X12" VFT</u>	<u>UNIT 19 LR</u>
20. <u>20</u>	↓	↓ ↓ ↓	↓ <u>21 HWH</u>

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12/9/10  
12-14-10  
12/14/10

Bob Mirza/Warren Adams  
Emil. pm

C I A  
 C T A  
 C T A

C= Collection T= Transportation A= Analysis

171007084



CONTINUATION OF  
BULK TRANSMITTAL FORM  
CHAIN OF CUSTODY

CLIENT: IRBOCC

Bldg D

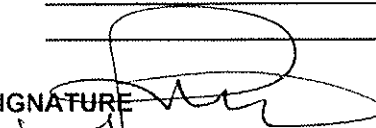
PROJECT NUMBER: 2011-6019

SAMPLE PREFIX \_\_\_\_\_

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 21	Lt. Beige	12X12" VFT Layered	Unit 16 KIT
2. 22	Brown	Cone Base Molding	Unit 16 LR
3. 23	BLACK	BUR	ROOF NO
4. 24	↓	↓	↓ CTR
5. 25	↓	↓	↓ SO
6. 26	BLACK	EFC	ROOF EAST
7. 27	↓	↓	↓ WEST
8. 28	BLACK	VTR Cement	ROOF NO.
9. 29	BLACK	Kit Hood Sealer	ROOF NO.
10. 30	BLACK	DEBRIS BUR	UTILITY Rm Rear
11.			
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CHAIN OF CUSTODY:

DATE/TIME  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PRINT NAME/SIGNATURE  
  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PURPOSE  
C T A  
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C T A

C= Collection T= Transportation A= Analysis



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Received: 12/14/10 1:00 PM  
EMSL Order: 171007083

Fax:  
Project: **2011-6019/JDEMOSURV Gifford Apartments Building #E**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E1 171007083-0001	Interior Plaster Coat	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
UM020410-E2 171007083-0002	Interior Plaster Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E3 171007083-0003	Interior Plaster Coat	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
UM020410-E4 171007083-0004	Textured Ceiling Finish	White Fibrous Heterogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-E5 171007083-0005	Textured Ceiling Finish	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
UM020410-E6 171007083-0006	Textured Ceiling Finish	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
UM020410-E7 171007083-0007	Textured Ceiling Finish	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Initial report from 12/21/2010 10:03:00

Analyst(s)  

---

Edgar Rodriguez (32)  
Kim Wallace (3)

*Kimberly A. Wallace*  

---

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or other approved signatory

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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E8 171007083-0008	Textured Ceiling Finish	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
UM020410-E9 171007083-0009	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E9A 171007083-0009A	Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E10 171007083-0010	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-E10A 171007083-0010A	Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
UM020410-E11 171007083-0011	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-E11A 171007083-0011A	Mastic				Stop Positive (Not Analyzed)

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EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E12 <i>171007083-0012</i>	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E12A <i>171007083-0012A</i>	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E13 <i>171007083-0013</i>	Vinyl Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E13A <i>171007083-0013A</i>	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E14 <i>171007083-0014</i>	Vinyl Floor Tile	Brown Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
UM020410-E14A <i>171007083-0014A</i>	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E15 <i>171007083-0015</i>	Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E15A 171007083-0015A	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E16 171007083-0016	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-E16A 171007083-0016A	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E17 171007083-0017	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-E17A 171007083-0017A	Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E18 171007083-0018	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-E18A 171007083-0018A	Mastic				Not Analyzed

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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E19 171007083-0019	Vinyl Floor Tile				Stop Positive (Not Analyzed)
UM020410-E19A 171007083-0019A	Mastic				Not Analyzed
UM020410-E20 171007083-0020	Linoleum Layer	White Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
UM020410-E20A 171007083-0020A	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E20B 171007083-0020B	Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E21 171007083-0021	Covebase Mold Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E22 171007083-0022	Covebase Molding	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 12/21/2010 10:03:00

Analyst(s)  
  
Edgar Rodriguez (32)  
Kim Wallace (3)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0





**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007083

Fax: Phone: (305) 374-8300  
Project: 2011-6019/JDEMOSURV Gifford Apartments Building #E

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E23 171007083-0023	BUR	Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (other)	None Detected
UM020410-E24 171007083-0024	BUR	Black Fibrous Heterogeneous	15% Synthetic	85% Non-fibrous (other)	None Detected
UM020410-E25 171007083-0025	BUR	Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (other)	None Detected
UM020410-E26 171007083-0026	EFC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E27 171007083-0027	EFC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
UM020410-E28 171007083-0028	VTR Cement	Black Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
UM020410-E29 171007083-0029	Kitchen Hood Sealer	Black Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected

Initial report from 12/21/2010 10:03:00

Analyst(s)  

---

Edgar Rodriguez (32)  
Kim Wallace (3)

*Kimberly A. Wallace*  

---

Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
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**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007083

Fax: Phone: (305) 374-8300  
Project: 2011-6019/JDEMOSURV Gifford Apartments Building #E

EMSL Proj:  
Analysis Date: 12/20/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-E30 171007083-0030	Pebble BUR	Black Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

Initial report from 12/21/2010 10:03:00

Analyst(s)  
\_\_\_\_\_  
Edgar Rodriguez (32)  
Kim Wallace (3)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0

171007083



EE&G Environmental Services  
 14505 Commerce Way, Suite 400  
 Miami Lakes, Florida 33016

## BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC

PROJECT: Gifford Gardens Apts Bldg# E

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-10-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: 5 DAY TAT

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>E1</u>	<u>Gray</u>	<u>INTERIOR PLASTER COAT</u>	<u>UNIT 1 LR</u>
2. <u>E2</u>	↓	↓ ↓ ↓	<u>" 7 HALL</u>
3. <u>E3</u>	↓	↓ ↓ ↓	<u>" 8 DINERm</u>
4. <u>E4</u>	<u>White</u>	<u>TEXTURED CEILING FINISH</u>	<u>UNIT 1 LR</u>
5. <u>E5</u>	↓	↓ ↓ ↓	<u>3 LR</u>
6. <u>E6</u>	↓	↓ ↓ ↓	<u>8 HALL</u>
7. <u>E7</u>	↓	↓ ↓ ↓	<u>9 DINERm</u>
8. <u>E8</u>	↓	↓ ↓ ↓	<u>7 Kitchen</u>
9. <u>E9</u>	<u>TAN</u>	<u>12"x12" VFT w/mastic</u>	<u>UNIT 2 BR</u>
10. <u>E10</u>	↓	↓ ↓ ↓	<u>3 HALL</u>
11. <u>E11</u>	↓	↓ ↓ ↓	<u>9 HALL</u>
12. <u>E12</u>	<u>Brown</u>	<u>PATTERN 12"x12" VFT</u>	<u>Unit 1 LR</u>
13. <u>E13</u>	↓	↓ ↓ ↓	<u>7 HALL</u>
14. <u>E14</u>	↓	↓ ↓ ↓	<u>8 DR</u>
15. <u>E15</u>	<u>TAN</u>	<u>12"x12" VFT w/Glue</u>	<u>UNIT 1 LR</u>
16. <u>E16</u>	↓	↓ ↓ ↓	<u>2 LR</u>
17. <u>E17</u>	↓	↓ ↓ ↓	<u>7 DR</u>
18. <u>E18</u>	↓	↓ ↓ ↓	<u>8 LR</u>
19. <u>E19</u>	↓	↓ ↓ ↓	<u>9 K</u>
20. <u>E20</u>	<u>White</u>	<u>LINOLEUM LAYERS</u>	<u>UNIT 2 BR</u>

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12-10-10  
12-14-10  
12/14/10

Bob Miso + Warren Adams  
FED Ex  
of VPM

CTA  
 CTA  
 CTA

C= Collection T= Transportation A= Analysis

171007083



**CONTINUATION OF  
BULK TRANSMITTAL FORM  
CHAIN OF CUSTODY**

CLIENT: IRBOCC BLDG E

PROJECT NUMBER: 2011-6019

SAMPLE PREFIX 12-10-10 BM

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>E21</u>	<u>Brown</u>	<u>Cove Base Mold Mastic</u>	<u>E10 DP</u>
2. <u>E22</u>	<u>Black</u>	<u>Cove Base Molding</u>	<u>E12 LR</u>
3. <u>E23</u>	<u>Black</u>	<u>BUR</u>	<u>BLDG E ROOF EAST</u>
4. <u>E24</u>	<u>↓</u>	<u>↓</u>	<u>↓ ↓ West</u>
5. <u>E25</u>	<u>↓</u>	<u>↓</u>	<u>↓ ↓ CNTR</u>
6. <u>E26</u>	<u>Black</u>	<u>EFC</u>	<u>BLDG E NO.</u>
7. <u>E27</u>	<u>↓</u>	<u>↓</u>	<u>↓ ↓ SO</u>
8. <u>E28</u>	<u>Black</u>	<u>VTR Cement</u>	<u>BLDG E CNTR</u>
9. <u>E29</u>	<u>Black</u>	<u>Kitchen Hood Sealer</u>	<u>BLDG E EAST</u>
10. <u>E30</u>	<u>Black</u>	<u>Pebble BUR</u>	<u>UTILITY BLDG REAR</u>
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**CHAIN OF CUSTODY:**

DATE/TIME  
12-10-10  
12-14-10

PRINT NAME/SIGNATURE  
Bob Miro + Warren Adams  
FED Ex

PURPOSE  
C T A  
C T A  
C T A

C= Collection T= Transportation A= Analysis

171007083



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

### BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCBOCC

PROJECT: Gifford Gardens Apts Bldg# E

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-10-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: 5 DAY TAT

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>E1</u>	<u>Gray</u>	<u>INTERIOR PLASTER Coat</u>	<u>UNIT 1 LR</u>
2. <u>E2</u>	↓	↓ ↓ ↓	<u>" 7 HALL</u>
3. <u>E3</u>	↓	↓ ↓ ↓	<u>" 8 DINERm</u>
4. <u>E4</u>	<u>White</u>	<u>TEXTURED CEILING Finish</u>	<u>UNIT 1 LR</u>
5. <u>E5</u>	↓	↓ ↓ ↓	<u>3 LR</u>
6. <u>E6</u>	↓	↓ ↓ ↓	<u>8 HALL</u>
7. <u>E7</u>	↓	↓ ↓ ↓	<u>9 DINERm</u>
8. <u>E8</u>	↓	↓ ↓ ↓	<u>7 Kitchen</u>
9. <u>E9</u>	<u>TAN</u>	<u>12"X12" VFT w/mastic</u>	<u>UNIT 2 BR</u>
10. <u>E10</u>	↓	↓ ↓ ↓	<u>3 HALL</u>
11. <u>E11</u>	↓	↓ ↓ ↓	<u>9 HALL</u>
12. <u>E12</u>	<u>Brown</u>	<u>PAH w 12"X12" VFT</u>	<u>UNIT 1 LR</u>
13. <u>E13</u>	↓	↓ ↓ ↓	<u>7 HALL</u>
14. <u>E14</u>	↓	↓ ↓ ↓	<u>8 DR</u>
15. <u>E15</u>	<u>TAN</u>	<u>12"X12" VFT w/Glue</u>	<u>UNIT 1 LR</u>
16. <u>E16</u>	↓	↓ ↓ ↓	<u>2 LR</u>
17. <u>E17</u>	↓	↓ ↓ ↓	<u>7 DR</u>
18. <u>E18</u>	↓	↓ ↓ ↓	<u>8 LR</u>
19. <u>E19</u>	↓	↓ ↓ ↓	<u>9 K</u>
20. <u>E20</u>	<u>White</u>	<u>LINOLEUM Layered</u>	<u>UNIT 2 BR</u>

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12-10-10  
12-14-10  
12/14/10

Bob Miso + Warren Adams  
FED Ex  
of IPM

C T A  
 C T A  
 C T A

C= Collection T= Transportation A= Analysis

171007083



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRBOCC BLDG E

PROJECT NUMBER: 2011-6019

SAMPLE PREFIX 12-10-10 BM

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. E21	Brown	Cove Base Mold Mastic	E10 DR
2. E22	Black	Cove Base Molding	F12 LR
3. E23	Black	BUR	BLDG E ROOF EAST
4. E24	↓	↓	↓ ↓ WEST
5. E25	↓	↓	↓ ↓ CNTR
6. E26	Black	EFC	BLDG E NO.
7. E27	↓	↓	↓ ↓ SO
8. E28	Black	VTR Cement	BLDG E CNTR
9. E29	Black	Kitchen Hood Sealer	BLDG E EAST
10. E30	Black	Pebble BUR	UTILITY BLDG REAR
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CHAIN OF CUSTODY:

DATE/TIME 12-10-10 12-14-10

PRINT NAME/SIGNATURE Bob Mize + Warren Adams Fred Ex

PURPOSE CTA CTA CTA

C= Collection T= Transportation A= Analysis



**EMSL Analytical, Inc.**

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

Phone: (305) 650-0577 Fax: (305) 650-0578 Email: [miamilab@emsl.com](mailto:miamilab@emsl.com)

Attn: **Rich Grupenhoff**  
**EE & G**  
**14505 Commerce Way**  
**Suite 400**  
**Miami Lakes, FL 33016**

Customer ID: EEG50  
Customer PO:  
Received: 12/14/10 1:00 PM  
EMSL Order: 171007065

Fax  
Project: **2011-6019/JDEMOSURV Gifford Gardens Apartments #F**

Phone: (305) 374-8300

EMSL Proj:  
Analysis Date: 12/16/2010

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
UM020410-1 171007065-0001	Drywall Panels	Brown Fibrous Heterogeneous	30%	Cellulose	70% Non-fibrous (other) <b>None Detected</b>
UM020410-2 171007065-0002	Textured Ceiling Finish	Beige Fibrous Heterogeneous			97% Non-fibrous (other) <b>3% Chrysotile</b>
UM020410-3 171007065-0003	Shingle BUR	Black Fibrous Heterogeneous	15%	Glass	85% Non-fibrous (other) <b>None Detected</b>

Initial report from 12/16/2010 13:55:59

Analyst(s)  
\_\_\_\_\_  
Edgar Rodriguez (3)

*Kimberly A. Wallace*  
\_\_\_\_\_  
Kimberly Wallace, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 19501 NE 10th Ave. Bay A, N. Miami Beach FL NVLAP Lab Code 200204-0



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

171007065

# BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRCOCC

PROJECT: Gifford Gardens Apts Bldg# F

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-10-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: " "

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>white</u>	<u>DRYWALL PANELS</u>	<u>REAR OFFICE</u>
2. <u>2</u>	<u>white</u>	<u>TEXT. CEILING FINISH</u>	<u>FRONT OFFICE</u>
3. <u>3</u>	<u>BLACK</u>	<u>SHINGLE BUR</u>	<u>ROOF</u>
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20.			

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12/10/10  
12-14-10  
12/14/10

Paul Mideo / WATERAW ADAMS  
"  
508

C  T  A  
 C  T  A  
 C  T  A

C= Collection T= Transportation A= Analysis



171007082



EE&G Environmental Services  
14505 Commerce Way, Suite 400  
Miami Lakes, Florida 33016

### BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: IRBOCC

PROJECT: Gifford Gardens Apts Bldg# **A**

CLIENT CONTACT: Jose Guanch

PROJECT NUMBER: 2011-6019/JDEMOSURV

DATE COLLECTED: 12-9-10

DATE VERBAL NEEDED: 5 DAY TAT

DATE SENT: 12-14-10

DATE WRITTEN NEEDED: " "

STOP AT FIRST POSITIVE:  Y  N (circle one)

SAMPLE PREFIX UM 020410

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>1</u>	<u>GRAY</u>	<u>TEXTURED WALL + Ceiling</u>	<u>Unit 49 DR</u>
2. <u>2</u>			<u>51 LR</u>
3. <u>3</u>			<u>52 LR</u>
4. <u>4</u>			<u>53 HALL</u>
5. <u>5</u>			<u>54 LR</u>
6. <u>6</u>	<u>BROWN</u>	<u>12X12" VFT</u>	<u>UNIT 47 K</u>
7. <u>7</u>			<u>48 K</u>
8. <u>8</u>			<u>50 DINE Rm</u>
9. <u>9</u>			<u>52 LR</u>
10. <u>10</u>			<u>52 BR</u>
11. <u>11</u>			<u>53 KIT</u>
12. <u>12</u>	<u>TAN</u>	<u>12"X12" VFT w/glue</u>	<u>UNIT 46 HALL Closet</u>
13. <u>13</u>			<u>46 SO BR</u>
14. <u>14</u>			<u>50 BR</u>
15. <u>15</u>			<u>53 BR's</u>
16. <u>16</u>			<u>54 KIT</u>
17. <u>17</u>			<u>54 BR's</u>
18. <u>18</u>	<u>TAN</u>	<u>12"X12" VFT w/MASTIC</u>	<u>UNIT 49 KIT</u>
19. <u>19</u>			<u>51 DINE</u>
20. <u>20</u>			<u>53 KIT</u>

CHAIN OF CUSTODY:  
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

12-9-10  
12-14-10  
12/14/10

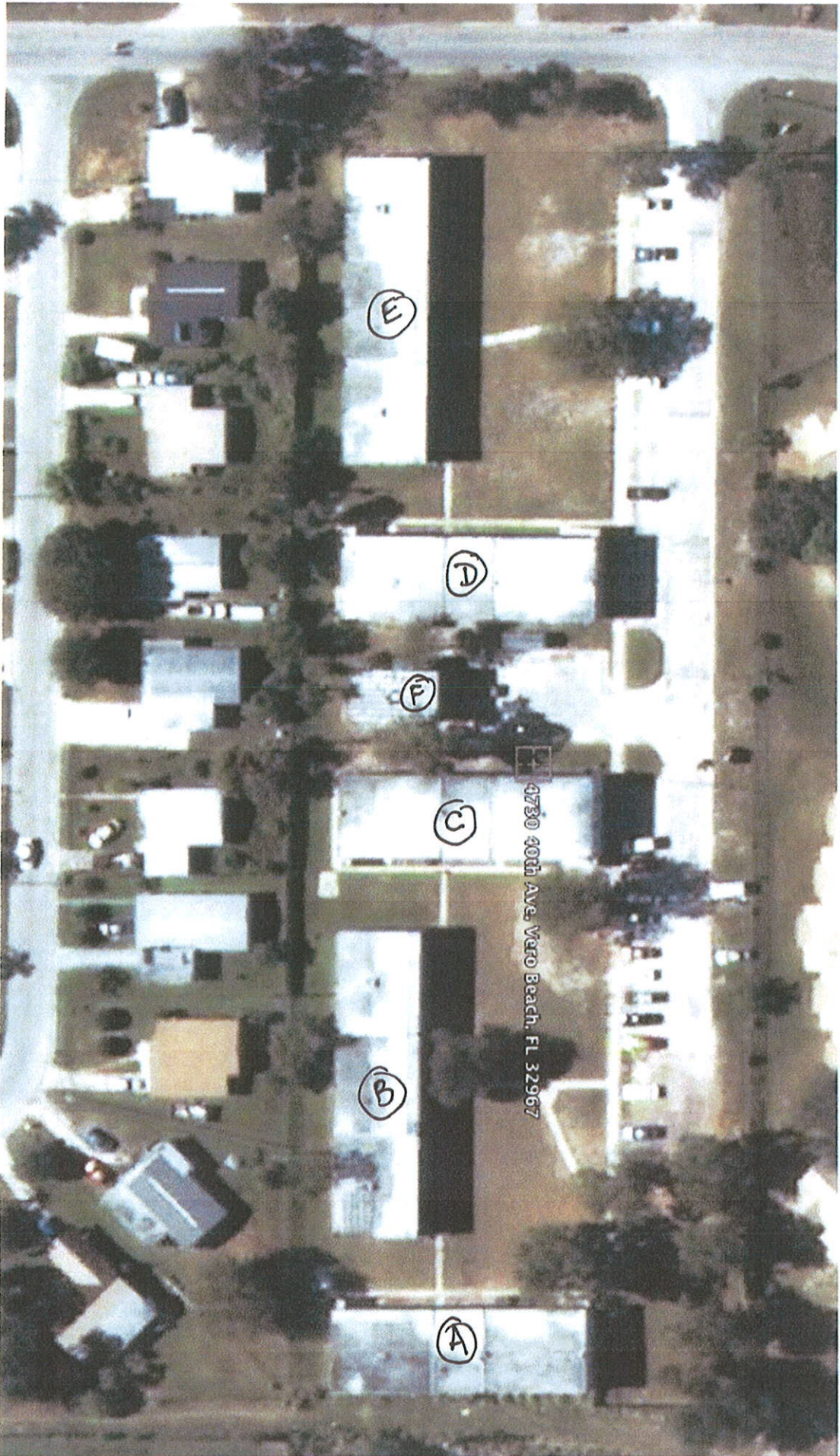
Bob Miao / WARREN ADAMS  
"  
SF / LPM

C T A  
 C T A  
 C T A

C= Collection T= Transportation A= Analysis

**APPENDIX C**

**FIGURES**



4730 40th Ave, Vero Beach, FL 32967

A

B

C

F

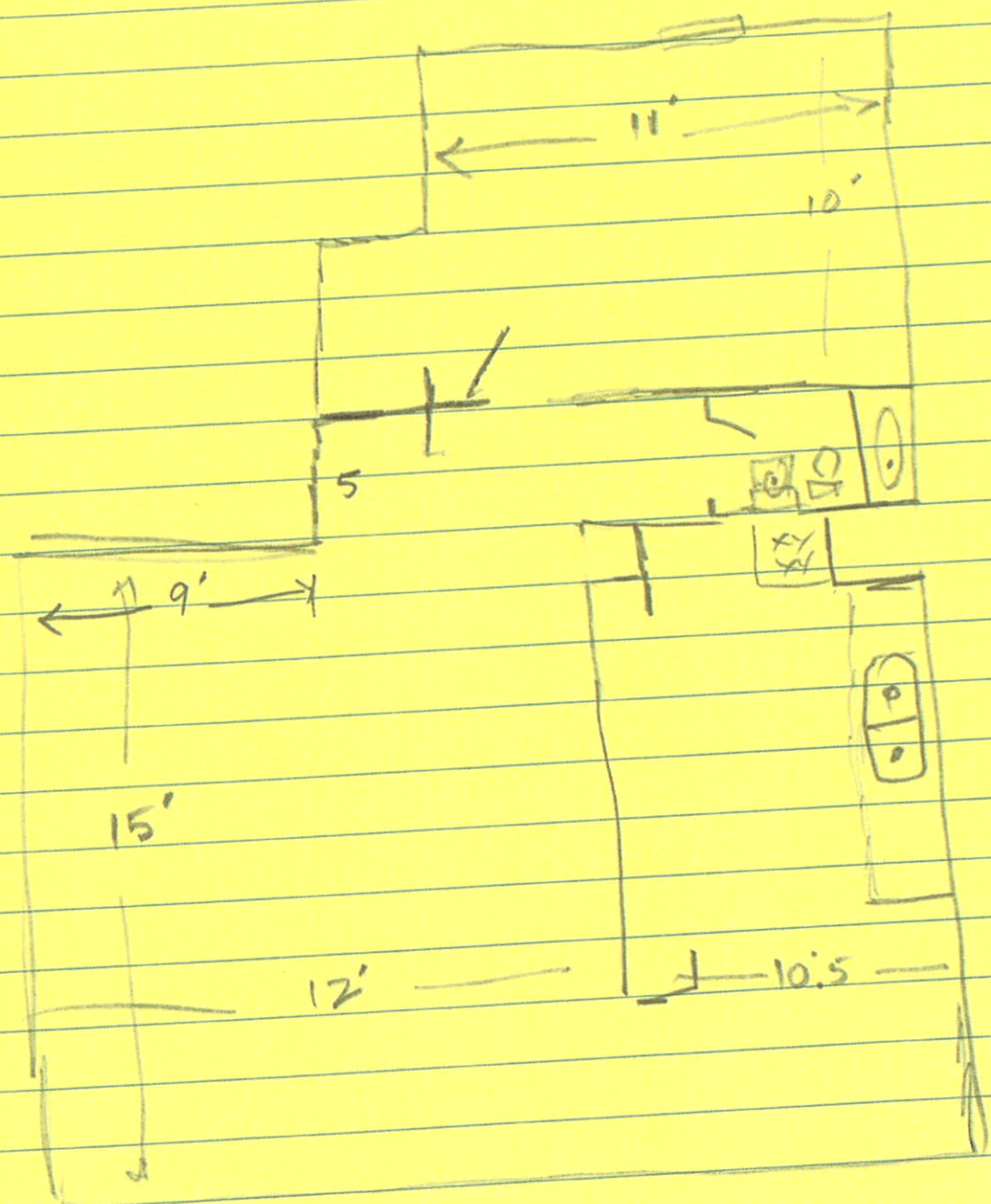
D

E



2011-6019

1 BR 12 unit Bldg  
+ 10 unit Bldg



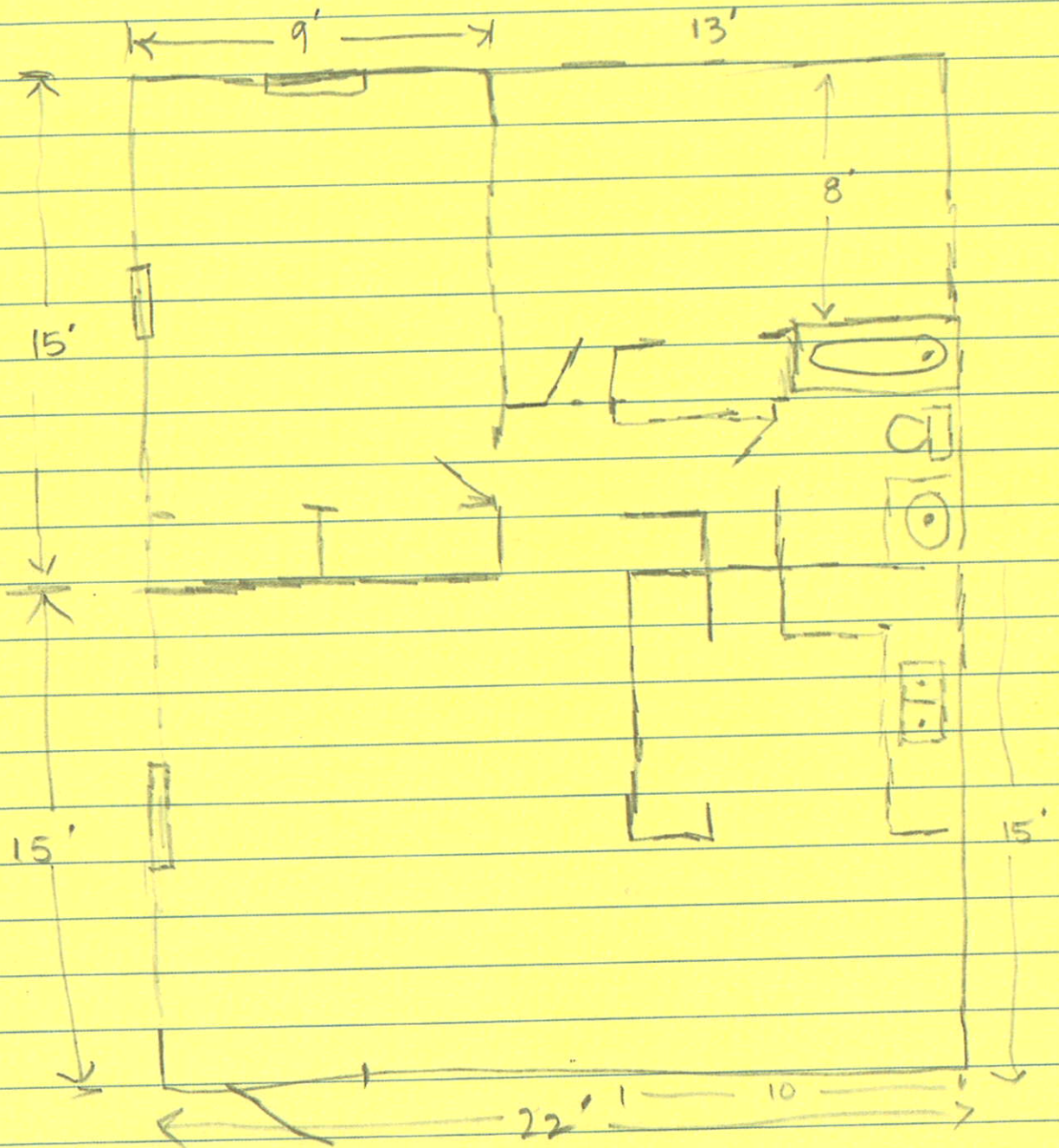
And A Flip

22'

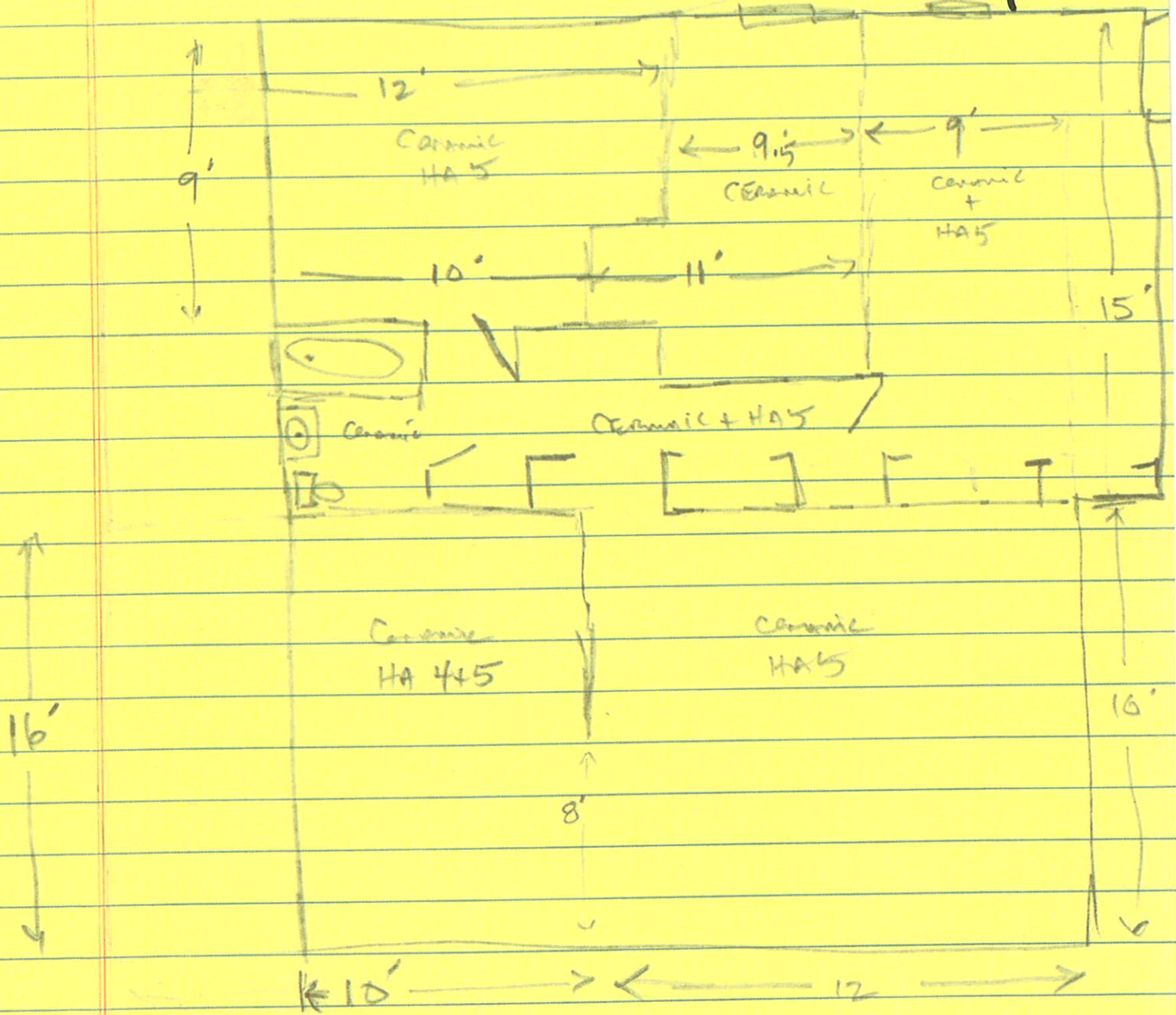
2 BED ROOM

10 And

12 UNIT Bldg.

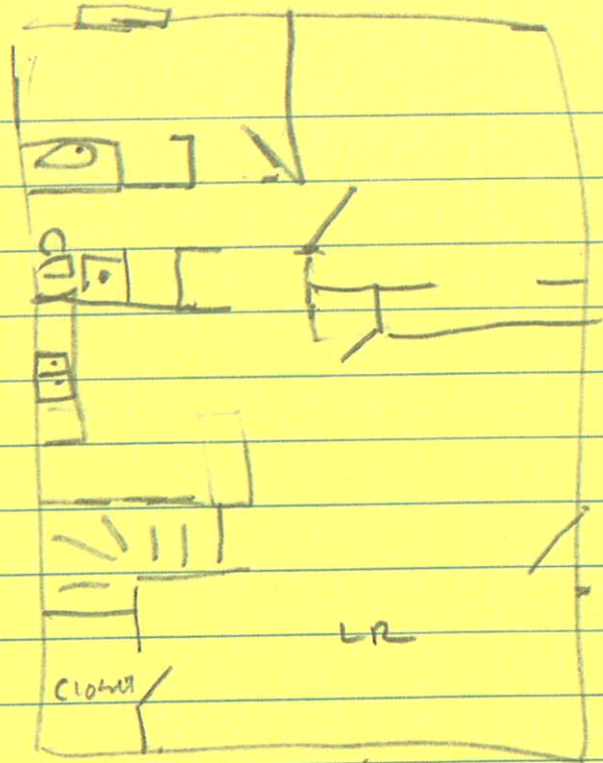


# 3 BR 12 Unit Bldg (B+E) only



2nd  
FL

BIDG F  
OFFICE Bldg

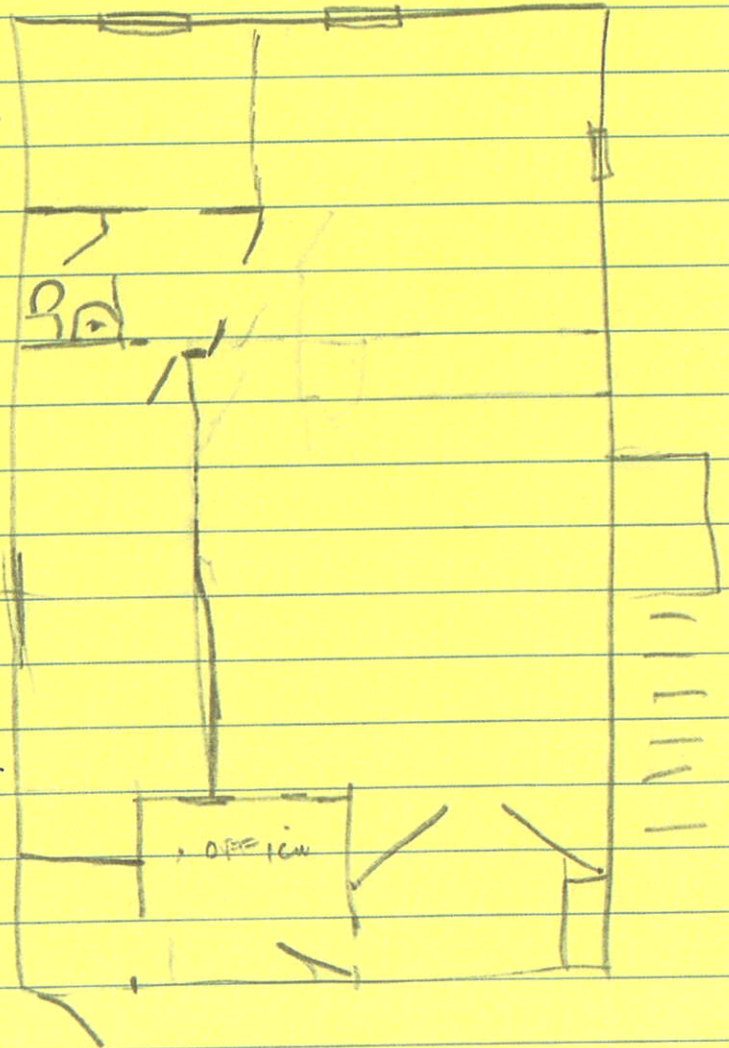


24

- HA 1 - TEXT Ceiling
- HA 2 - Drywall Syst
- HA 3 - PLASTER WALL

37'

1st  
FL





**APPENDIX D**  
**PHOTOGRAPHS**



Photo 1: Gifford Gardens Apts. Building A rear exterior



Photo 2: Gifford Gardens Apts. Building A front exterior



**Photo 3: Typical ACM tan VFT under ceramic in water heater areas**



**Photo 4: Typical ACM tan VFT under ceramic in water heater areas**



Photo 5: Gifford Gardens Apts. Building B front exterior



Photo 6: Typical ACM Tan VFT with ACM black mastic in some units



Photo 7: Gifford Gardens Apts. Building C front exterior



Photo 8: Typical ACM Tan VFT and black mastic in some units



Photo 9: Typical ACM Tan VFT



Photo 10: Typical ACM Tan VFT and black mastic in some units



**Photo 11: Gifford Gardens Apts. Building D front exterior**



**Photo 12: Typical ACM Beige VFT w/black mastic in some units**



**Photo 13: Typical ACM Tan/Beige VFT in some units**



**Photo 14: Typical ACM Tan VFT under ceramic tile in some units**





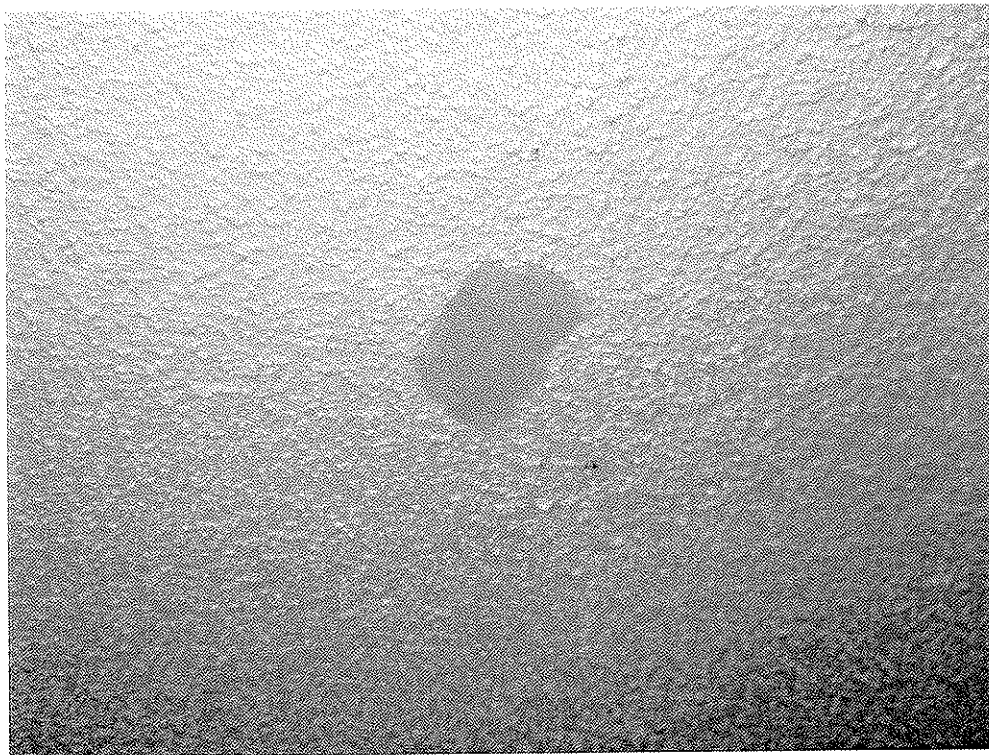
**Photo 15: Gifford Gardens Apts. Building D front exterior**



**Photo 16: Typical ACM Tan VFT under ceramic tile in some units**



**Photo 17: Typical ACM ceiling treatment (3%) in units**



**Photo 18: Typical ACM ceiling treatment (3%) in units**

**APPENDIX E**  
**CERTIFICATES**

# Asbestos Consulting & Training Systems

38997.5064CERT/BIR

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311

(954) 524-7208

Processed By:

***This is to Certify that***

**Robert M. Miro**



1737 NE 27 Dr. , Wilton Manors, FL

***has successfully completed an English***

**Asbestos Building Inspection Refresher**

**8-Oct-10 TO 8-Oct-10**

Individual above has completed the requisite training for accreditation under TSCA Title II

Meets state requirements of 326 IAC (IDEM) and FL49-0001020/CN-0006273.

NDAAC Provider #451

Trainer(s): James F. Stump

Training Address: 900 Northwest Fifth Ave., Fort Lauderdale, Fl, 33311

Successful course completion based on exam score on: 10/08/10

***This Certificate Expires:***



**8-Oct-11**



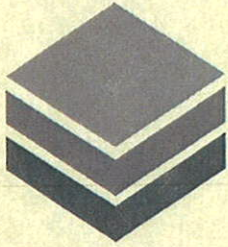
UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR MAKING OR  
SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR  
REPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C. 15), I  
CERTIFY THAT THIS TRAINING COMPLETES WITH ALL APPLICABLE  
REQUIREMENTS OF TITLE 16 OF THE FEDERAL REGISTER  
CONTROL ACT, 40 CFR PART 704 OR OTHERWISE WHICH  
APPLY TO THE FEDERAL STATE OR LOCAL REQUIREMENTS.

James F. Stump, Course Sponsor



Certificate Number.....

Course Number SE1040



# M·E·T·A

Mayhew Environmental Training Associates

I N C O R P O R A T E D

Certificate # 7ME07131001AIR0001

*This is to certify that*

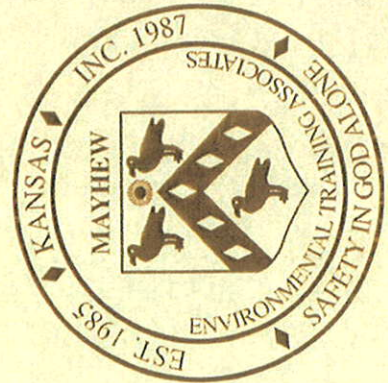
## Warren Adams

*has on 7/13/10, in Miami Lakes, FL  
completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 U.S.C. 2646*

### AHERA Asbestos Building Inspector Refresher Course

*as approved by the State of Florida and the U.S.E.P.A. under 40 C.F.R. 763 (AHERA)  
on 7/13/10 - 7/13/10 and passed the associated examination on 7/13/10  
with a score of 70% or better*

CM = 0.5



Provider #: FL49-0001221  
Course #: FL49-0004718

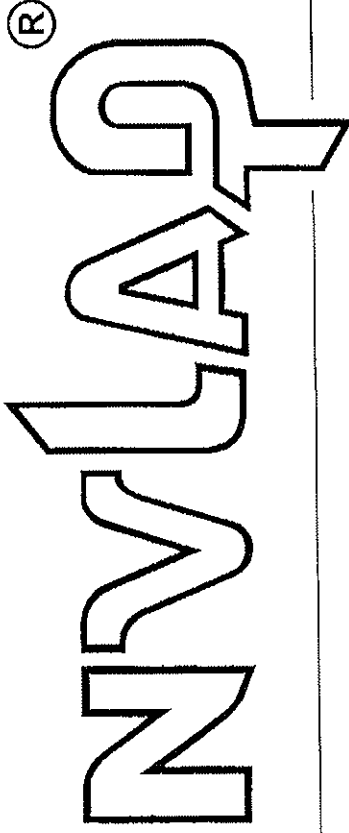
Soc. Sec #: XXX-XX-4859  
Accreditation Expires: 7/13/11

Instructor  
Bill Young

President  
Thomas Bradford Mayhew

META - P.O. Box 786 - Lawrence KS 66044 - 800-444-6382

United States Department of Commerce  
National Institute of Standards and Technology



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## Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 200204-0

**EMSL Analytical, Inc.**  
N. Miami Beach, FL

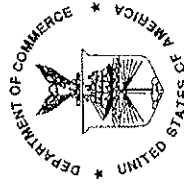
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### **BULK ASBESTOS FIBER ANALYSIS**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2010-04-01 through 2011-03-31

Effective dates



*Dolly J. Bucee*

For the National Institute of Standards and Technology

AC# 5227070

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
ASBESTOS LICENSING UNIT

SEQ# L10092501299

DATE	BATCH NUMBER	LICENSE NBR
09/25/2010	100120327	DD0000010

The ASBESTOS CONSULTANT  
Named below IS LICENSED  
Under the provisions of Chapter 469 FS.  
Expiration date: NOV 30, 2012

COTTRELL, DANIEL JOSEPH  
6367 SW 44 ST  
MIAMI

FL 33155-5142



CHARLIE CRIST  
GOVERNOR

CHARLIE LIEM  
SECRETARY

DISPLAY AS REQUIRED BY LAW