



**Indian River County Purchasing Division**

1800 27<sup>th</sup> Street  
Vero Beach, FL 32960  
Phone (772) 226-1416

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## Invitation to Bid

Project Name: Demolition of Retail and Residential Structures  
Bid #: 2024013  
Bid Bond Required: 5% if bid over \$35,000  
Public Construction Bond Required: Yes, if total award is over \$100,000  
Pre-Bid Meeting time/location: N/A

**Bid Opening Date: October 17, 2023**

**Bid Opening Time: 2:00 P.M.**

**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 not be accepted, opened or considered.**

PLEASE SUBMIT:  
(1) ONE MARKED ORIGINAL and,  
(1) COPY OF YOUR BID  
PRIOR TO THE BID OPENING DATE AND TIME.

**Refer All Questions to:**

Email: [purchasing@ircgov.com](mailto:purchasing@ircgov.com)

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## ADVERTISEMENT FOR BID

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

**Bid # 2024013**  
**Demolition of Retail and Residential Structures**

Detailed specifications are available at: [www.demandstar.com](http://www.demandstar.com) or by selecting "Current Solicitations" at <http://www.ircgov.com/Departments/Budget/Purchasing>.

Deadline for receipt of bids has been set for **2:00 P.M. on October 17, 2023**. 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, Room B1-301, Vero Beach, Florida 32960. All bids will be opened publicly and read aloud at 2:00 PM. Bids submitted after 2:00 PM on the day specified above, will not be opened or considered.

BID SECURITY in the sum of not less than five percent (5%) of the total bid must accompany each bid over \$35,000.

The Board of County Commissioners reserves the right to cancel the bid, accept or reject any and all bids in whole or in part and to waive any technicality or irregularity.

**PURCHASING MANAGER**  
**INDIAN RIVER COUNTY**

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**Publish: Demandstar/Vendor Registry**  
**Date: Tuesday, September 19, 2023**

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## Instructions to Bidders

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### Definitions

Bidder – Individual or entity submitting a bid to Owner.

Contractor – The lowest, responsive, and responsible bidder to whom Owner makes award.

Owner – Indian River County

### General Terms and Conditions

**Cone of Silence.** Potential bidders and their agents must not communicate in any way with the Board of Commissioners, County Administrator or any County staff other than Purchasing personnel in reference or relation to this solicitation. This restriction is effective from the time of bid advertisement until the Board of County Commissioners meets to authorize award. Such communication may result in disqualification.

**Interpretations:** All questions about the meaning or intent of the Invitation to Bid are to be submitted to the Purchasing Division ([purchasing@ircgov.com](mailto:purchasing@ircgov.com)) ten (10) or more days before the date fixed for opening of the bids. Interpretations, modifications, responses, or clarifications considered necessary by County in reply to such questions will be issued by Addenda. Only questions answered or changes made by Addenda will be binding. Oral and other interpretations, modifications, or clarifications will be without legal effect. All such Addenda shall become part of the bid documents.

**Licensure:** Bidder must possess licensure as indicated in the Technical Specifications Scope of Work. Indian River County Code section 400.01(1) requires that “No person shall engage in the business of construction, contracting or subcontracting as regulated by Florida Statutes or in a [any] categories listed in **Appendix A to Ordinance No. 94-16 without a valid certificate of competency issued by the Indian River County Building Department** unless certified under Florida Statutes.” Bidders who do not hold the appropriate licensure at the time of bid opening will be deemed non-responsive.

#### **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 with respect to all claims arising out of the operations or work to be performed.

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

**Permits, Impact and Inspection Fees.** In accordance with Florida Statutes Section 218.80, the "Public Bid Disclosure Act", County as OWNER is obligated to disclose all license, permit, impact, or inspection fees that are payable to Indian River County in connection with the construction of the Work by the accepted bidder. The anticipated cost of the permit fees due to the Building Division is provided as a fixed line item on the bid form, specifically noted in the scope of work, or attached as an appendix to the invitation to bid. This amount does not include fees for any necessary re-inspection(s), which are the responsibility of the Contractor.

**Conditional Offers:** Bidders are cautioned that any condition, qualification, provision, or comment in their bid, or in other correspondence transmitted with their bid, which in any way modifies, takes exception to, or is inconsistent with the specifications, requirements, or any of the terms, conditions, or provisions of this solicitation, is sufficient cause for the rejection of their bid as non-responsive.

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

**Bid Submission:** All bids 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. Bids must be submitted on forms provided by the County, and the bid forms shall not be recreated or modified. **Bids not submitted on the attached form(s) shall be rejected, as will bids submitted on rewritten, recreated, or modified bid forms.** All blanks on the bid form should be completed with a unit bid price, or the phrase "No Bid" or the phrase "Not Applicable" entered on each section, bid item, and alternative. Submittal of one marked original bid and one copy, plus one electronic copy as a single pdf is required unless otherwise instructed. The County will not reimburse any bidder for costs associated with preparation or submittal of this bid.

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

**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. Discrepancies between words and figures will be resolved in favor of the words. Carelessness in quoting prices, or in preparation of the bid otherwise, will not relieve the bidder from performance.

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

**Consideration of Bids:** Verbal, emailed or faxed bids will not be considered.

**Opening Location:** It will be the sole responsibility of the Bidder to deliver their bid personally or by mail or other delivery service to "Indian River County Purchasing Division, 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 accepted or considered.

**Bid Security and Public Construction Bond:** Bid security must accompany each Bid over \$35,000, and must be in the form of an AIA Document A310 Bid Bond, properly executed by the Bidder and by a qualified surety, or a certified check or a cashier's check, drawn on any bank authorized to do business in the State of Florida. Bid Security for bids over \$35,000 must be in the sum of not less than five percent (5%) of the total amount of the bid, made payable to "Indian River County Board of County Commissioners." Electronically signed bid bonds will be acceptable.

In the event the Contract is awarded to the Bidder, Bidder will enter into a Contract with the County and furnish the required 100% Public Construction Bond and insurance certificates within the timeframe set by the County. If Bidder fails to do so, the Bid Security will be retained by the County as liquidated damages and not as a penalty. If bid does not exceed \$100,000, no Public Construction Bond will be required. Bid Security of other Bidders whom OWNER believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

**Irrevocable Offer:** Bidder warrants by virtue of submitting a signed bid, that the prices quoted will 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 the County. The Board of County Commissioners shall deem the offer accepted upon approval.

**Withdrawal of Bids:** A bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time of opening of bids. If, within 48 business hours after Bids are opened, any bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that bidder may withdraw its bid and bid security will be returned. Thereafter, if the work is rebid, that bidder may be disqualified from further bidding on the work.

**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, when appropriate. The successful bidder and the requesting Governmental agency, apart from Indian River County, shall handle any such purchases separately. Further, 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.

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

**Local Preference:** County has no local ordinance or preferences, as set forth in Florida Statutes section 255.0991(2) in place, therefore no preference prohibited by that section will be considered in the acceptance, review or award of this bid.

**Prohibition Against Considering Social, Political or Ideological Interests in Government Contracting:** Bidders are hereby notified of the provisions of section 287.05701, Florida Statutes, as amended, that the County may not request documentation of, or consider a Bidder's social, political, or ideological interests when determining if the Bidder is responsible, and may not give preference to a Bidder based on the Bidder's social, political, or ideological interests.

**Unbalanced Bids:** The County will reject any bid that is unbalanced, if it is in the best interest of the County to do so. A bid will be considered unbalanced when, in the opinion of the Purchasing Manager, the bid allocates a disproportionate share of costs to the price of one or more bid items in order to reduce the costs to the price of another bid item or items, and if there is a reasonable possibility that the bid will not result in the lowest overall cost to the County.

**Supplemental Information:** The County reserves the right to conduct such investigations as it deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of Bidders, proposed subcontractors, suppliers, and other relevant parties to perform and furnish the work. To demonstrate qualifications to perform the work, each Bidder must be prepared to submit, within 5 days of Owner's request, written evidence, such as financial data, previous experience, present commitments, and other such data as may be necessary to prove to the satisfaction of the Owner that the Bidder is qualified by experience to do the work and is prepared to complete the work within the stated time period. Failure to provide any requested information may result in the determination of the Bidder as non-responsible.

**Awards:** The County reserves the right to cancel the bid, accept or reject any and all bids in whole or in part, and waive any irregularity or technicality in bids received. When it is determined there is no competition to the lowest responsive, responsible Bidder, rebidding of the project 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.

**Bid Protest:** Any actual or prospective bidder or proposer who is aggrieved in connection with a competitive selection process may protest to the Purchasing Manager. The protest shall be submitted to the Purchasing Manager in writing within five (5) calendar days after the bidder or proposer knows or should have known of the facts giving rise to the protest. If the protest is not resolved by mutual agreement, the Purchasing Manager shall promptly issue a decision in writing, after consulting the using Department and the Office of the County Attorney.

**Applicable Law and Venue:** The resulting Agreement and 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 within. Venue for any

lawsuit brought by either party against the other party or otherwise arising out of this Contract shall be in Indian River County, Florida, or, in the event of a federal jurisdiction, in the United States District Court for the Southern District of Florida.

**Cancellation:** It is the intention of the 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.

**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.

**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.

**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.

**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 \$35,000] 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.

**Suspension and Debarment:** County will not make award to parties listed on the government-wide exclusions in the System for Award Management (SAM). The bidder agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions. By submittal of a bid in response to this solicitation, bidder asserts neither it nor its principals is presently debarred, suspended or proposed for debarment, declared ineligible, or voluntarily excluded from participation in this work by any Federal department or agency. For work funded by federal grant, contractor is required to have an active registration with the System for Award Management (SAM) (<https://www.sam.gov>) prior to execution of the agreement.

**Scrutinized Companies Lists:** The bidder certifies that it and those related entities of respondent as defined by Florida law are not on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725 of the Florida Statutes, and are not engaged in a boycott of Israel. In addition, if this agreement is for goods or services of one million dollars or more, Contractor certifies that it and those related entities of respondent as defined by Florida law are not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473 of the Florida Statutes and are not engaged in business operations in Cuba or Syria. The County may terminate this Contract if Company is found to have submitted a false certification as provided under section 287.135(5), Florida Statutes, been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or been engaged in business operations in Cuba or Syria, as defined by section 287.135, Florida Statutes. County may terminate this Contract if Company, including all wholly owned subsidiaries, majority-owned subsidiaries, and parent companies that exist for the purpose of making profit, is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel as set forth in section 215.4725, Florida Statutes.

Accordingly, firms responding to this solicitation shall return with their response an executed copy of the attached "Certification Regarding Prohibition Against Contracting With Scrutinized Companies." Failure to return this executed form with submitted bid/proposal/statement of qualifications will result in the response being deemed non-responsive and eliminated from consideration.

**Non-Discrimination:** County will not knowingly do business with vendors or contractors who discriminate on the basis of race, color or national origin, sex, sexual orientation, gender identity, age and/or disability. Through the course of providing services to the County, Contractors shall affirmatively comply with all applicable provisions of Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987 and the Florida Civil Rights Act of 1992, as well as all other applicable regulations, guidelines and standards. Any person who believes their rights have been violated should report such discrimination to the County's Title VI/Nondiscrimination Coordinator through the office of the County Attorney.

**E-Verify:** Bidder must be registered with and use, at their sole expense, the Department of Homeland Security's E-Verify system ([www.e-verify.gov](http://www.e-verify.gov)) to confirm the employment eligibility of all newly hired employees, as required by Section 448.095, F.S. Owner, contractor, and subcontractors may not enter into a contract unless each party to the



contract registers with and uses the E-Verify system. Contractor is responsible for obtaining proof of E-Verify registration for all subcontractors. This requirement applies to any provider of services or goods.

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

**Energy Policy and Conservation Act** – The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

**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 the resulting Agreement, 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.

**Affirmative Steps:** CONTRACTOR must take the following affirmative steps to ensure minority business, women's business enterprises and labor surplus area firms are used when possible:

1. Placing qualified small and minority businesses and women's business enterprises on solicitation lists.
2. Ensuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources.
3. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises.
4. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises.
5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

**DHS Seal:** If this project is federally-funded, the Department of Homeland Security (DHS) seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials shall not be used by the Bidder without specific FEMA pre-approval.

**Indemnification:** CONTRACTOR shall defend, indemnify and hold harmless the County and its commissioners, officers, employees and agents, from any and all losses, damages, expenses (including reasonable attorneys fees) and other liabilities of any type whatsoever, arising out of or relating to any negligence, intentional tort, breach of contract, or breach of applicable law by the contractor, or its employees, agents, subcontractors, or other persons or entities performing work under the contract.

**Records/Audit:** The Bidder shall maintain books, records and documents pertinent to performance under this Invitation and any resulting Agreement in accordance with generally accepted accounting principles consistently applied. The County and the Florida Office of the Inspector General 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 work or purchase shall be made available until a final disposition has been made of such litigation, appeals, or claims.

**Public Access:** The Bidder shall allow public access to all documents and materials in accordance with the provisions of Chapter 119, Florida Statutes.

**Delivery Requirements:** Delivery of goods is “FOB Destination” unless delivery terms are specified otherwise in the specifications. If County agrees in writing to reimburse Seller for transportation costs, County shall have the right to designate the method of shipment. In either case, the title and all risk of loss of the goods shall remain with the Seller until the goods are received and accepted by the County. Rejected materials will be returned to Seller at the Seller’s risk and expense.

**Descriptive Information:** Descriptive literature including Specifications must accompany your bid. Manufacturer’s name and model numbers are used herein solely for the purpose of establishing a standard of design, quality, and use of the merchandise required. Products of other manufacturers will be acceptable if they meet or exceed established standards with the exception of those items specified “NO SUBSTITUTION”.

**Manufacturer’s Certification:** County reserves the right to request from the Bidder a separate manufacturer’s certification of all statements made in the bid.

**Domestic Preference for Procurement:** In accordance with 2 CFR 200.322, County will extend a preference for the purchase, acquisition or use of goods, products or materials produced in the United States (including, but not limited to iron, aluminum, steel, cement and other manufactured products), to the maximum extent practicable.

**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:** 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 Bidder. Such grant must be in writing and made part of the resulting Agreement.

**Direct Purchase:** County reserves the option to purchase certain tangible materials necessary for the performance of the Contract, and thereby save the amount of the sales tax thereon by virtue of the Owner's status as a Tax Exempt Institution. For the purpose of these procedures, the Contractor will assign to the County any rights the Contractor may have under quotes, contracts or commitments received from the particular vendor or supplier for the materials described in the requisition. The invoiced amount of County Purchased Materials and applicable sales tax, had the purchases not been tax exempt, once finalized through the Owner’s Purchase Order and after confirmation of completed delivery and acceptance, will be deducted from the Contractor’s Contract price via Change Order.

**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.

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

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

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End of General Terms and Conditions

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## Technical Specifications

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The work for this project shall consist of furnishing all the necessary equipment, materials and labor for the demolition and removal of all structures located on the referenced properties. All work must conform to public health standards and comply with all local and state requirements for asbestos abatement by licensed asbestos contractor.

Property Owner(s): Indian River County  
Address: 3136 US Highway 1, Vero Beach  
Parcel ID: 32393500003003000003.0

Property Owner(s): Indian River County  
Address: 3146 US Highway 1, Vero Beach  
Parcel ID: 32393500003003000002.0

Property Owner(s): Indian River County  
Address: 1375 32<sup>nd</sup> Street, Vero Beach  
Parcel ID: 32393500003003000007.0

Property Owner(s): Indian River County  
Address: 1385 32<sup>nd</sup> Street, Vero Beach  
Parcel ID: 32393500003003000001.0







## Scope

**The Awarded Contractor shall be responsible for the following:**

1. Obtain all necessary permits, including but not limited to Building Division and Florida Department of Health (FDOH) required for demolition work. The cost to obtain a demolition permit from the Indian River County Building Department is \$206 per structure. Contractor must provide copies of permits to the County prior to start of demolition.
2. The contractor shall obtain a City permit to disconnect the buildings from the City gravity sewer system. The water meters have already been removed.
3. Remove asbestos in accordance with applicable laws, including removal by a licensed asbestos removal contractor. The asbestos surveys for the structures are attached as Appendix A. A disposal manifest shall be required upon completion of the project, prior to payment.
4. Demolish and remove all structures from property in compliance with OSHA standards.
5. Establish maintenance of traffic in accordance with FDOT standards when required.
6. Protect all existing structures on adjacent property. Contractor shall be responsible for the repair or replacement of any damaged structures or real estate thereof.

7. The area where the slabs were removed must be clean of debris, including broken concrete, conduits, sewer and water lines. This area must be leveled at the completion of the work and seed and mulch applied to all bare areas.
9. When the demolition is complete, it needs to be cleared by Public Works, and the Building Division to close the demo permit. The Contractor needs to provide Public Works with copies of the signed off documents before the invoice can be submitted.

**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.

**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 work shall commence immediately upon receipt of a Notice to Proceed and/or a Purchase Order.

**Time of Completion:** The work shall be complete within 60-days of issuance of the Notice to Proceed and/or a Purchase Order. Failure to obtain demolition permit within 45 days of award of bid may result in termination of award.

**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.

### **PROJECT REQUIREMENTS**

Bidder must possess the following licenses and registrations at the time of bid:  
Demolition Contractor, General Contractor, Building Contractor or Residential Contractor

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End of Technical Specifications

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**Bid Form**

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**Demolition of Retail and Residential Structures**

Bid #: 2024013  
Bid Opening Date and Time: October 17, 2023 2:00 P.M.  
Bid Opening Location: Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960

The following addenda are hereby acknowledged:

Addendum Number	Date
_____	_____
_____	_____
_____	_____
_____	_____

In accordance with all terms, conditions, specifications, and requirements, the Bidder offers the following:

<b>Total Bid Price</b>	<b>\$</b>
------------------------	-----------

Project completion time after receipt of "Notice to Proceed" or PO: \_\_\_\_\_DAYS

**The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items 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: \_\_\_\_\_  
(Type / Printed)

---

## Qualifications Questionnaire

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1. How many years has your organization been providing these services? \_\_\_\_\_

2. List State of Florida Registration Number(s): \_\_\_\_\_

3. List government agencies and private firm(s) with whom you have completed similar work:

Agency/Firm Name: \_\_\_\_\_

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

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

E-Mail: \_\_\_\_\_ Phone: \_\_\_\_\_

Services Provided: \_\_\_\_\_

Dates of Service: \_\_\_\_\_

Agency/Firm Name: \_\_\_\_\_

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

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

E-Mail: \_\_\_\_\_ Phone: \_\_\_\_\_

Services Provided: \_\_\_\_\_

Dates of Service: \_\_\_\_\_

Agency/Firm Name: \_\_\_\_\_

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

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

E-Mail: \_\_\_\_\_ Phone: \_\_\_\_\_

Services Provided: \_\_\_\_\_

Dates of Service: \_\_\_\_\_

Agency/Firm Name: \_\_\_\_\_

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

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

E-Mail: \_\_\_\_\_ Phone: \_\_\_\_\_

Services Provided: \_\_\_\_\_

Dates of Service: \_\_\_\_\_

4. Subcontractors:

Type of Work	Subcontractor Name	License Number

5. Date Registered with e-Verify.gov: \_\_\_\_\_

6. List all ligation cases during the past three (3) years in which the Contractor has been a named party. Use additional sheets, as necessary.

Year filed	Case number	Venue	Description

Attach Occupational License/Business Tax Receipt, proof of current liability insurance and W-9.

---

## DRUG-FREE WORKPLACE CERTIFICATION

---

(Please include this form with your bid)

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that \_\_\_\_\_ does:

(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Section 287.087.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

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

\_\_\_\_\_  
Bidder's Signature

Date: \_\_\_\_\_

---

**SWORN STATEMENT UNDER SECTION 105.08, INDIAN RIVER COUNTY CODE, ON DISCLOSURE OF  
RELATIONSHIPS**

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**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. 2023013  
for Demolition of Retail and Residential 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 \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me by means of  physical presence or  online notarization, this \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by \_\_\_\_\_ (name of person making statement).

\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

(Print, Type, or Stamp Commissioned Name of Notary Public)

who is personally known to me or  who has produced \_\_\_\_\_ as identification.



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**CERTIFICATION REGARDING PROHIBITION AGAINST CONTRACTING WITH SCRUTINIZED COMPANIES**

---

**(This form MUST be submitted with your bid)**

I hereby certify that neither the undersigned entity, nor any of its wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities or business associations, that exists for the purpose of making profit have been placed on the Scrutinized Companies that Boycott Israel List created pursuant to s. 215.4725 of the Florida Statutes, or are engaged in a boycott of Israel.

In addition, if this solicitation is for a contract for goods or services of one million dollars or more, I hereby certify that neither the undersigned entity, nor any of its wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities or business associations, that exists for the purpose of making profit are on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.473 of the Florida Statutes, or are engaged in business operations in Cuba or Syria as defined in said statute.

I understand and agree that the County may immediately terminate any contract resulting from this solicitation upon written notice if the undersigned entity (or any of those related entities of respondent as defined above by Florida law) are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Name of Respondent: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Signature)

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

Date: \_\_\_\_\_

---

**CERTIFICATION REGARDING LOBBYING**

---

Certification for Contracts, Grants, Loans, and Cooperative Agreements  
(This form MUST be submitted with each bid or offer exceeding \$100,000)

The undersigned Contractor certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, \_\_\_\_\_, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

\_\_\_\_\_  
Signature of Contractor's Authorized Official

\_\_\_\_\_  
Name and Title of Contractor's Authorized Official

\_\_\_\_\_  
Date

---

## **Appendix A - Asbestos Survey**

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# ASBESTOS CONTAINING MATERIALS SURVEY



## **Retail & Residential Structures**

**1375 & 1385 32nd St and 3136 & 3146 US 1  
Vero Beach, FL 32960**

## **PREPARED FOR:**

**Indian River County Public Works Department  
1801 27th Street (Bldg. A)  
Vero Beach, FL 32960**

**NOVA Project Number: 10101-3023019**

**August 10, 2023**



August 10, 2023

**Indian River County Public Works Department**  
1801 27th Street (Bldg. A)  
Vero Beach, FL 32960

**Attention:** Mr. Andrew Sechen  
Land Acquisition Specialist

**Subject:** **Pre-Demolition Asbestos Survey**  
**Retail & Residential Structures**  
1375 & 1385 32nd St and 3136 & 3146 US Highway 1  
Vero Beach, FL 32960  
**NOVA Project Number 10101-3023019**

Dear Mr. Sechen:

**NOVA Engineering and Environmental LLC (NOVA)** has completed the Pre-Demolition Asbestos Containing Materials (ACMs) Survey of all retail & residential structures located at 1375 & 1385 32nd St and 3136 & 3146 US Highway 1 in Vero Beach, Florida (Subject Property). We appreciate your selection of NOVA and for the opportunity to be of service on this project. Please feel free to contact us if you have any questions or if we may be of further assistance.

Sincerely,  
**NOVA Engineering and Environmental LLC**

A handwritten signature in blue ink, appearing to read "Jamey Cote".

Jamey Cote  
Field Scientist  
Accredited Asbestos Inspector

A handwritten signature in black ink, appearing to read "Larry G. Schmaltz".

Larry G. Schmaltz, P.E., G.C.  
Florida Licensed Asbestos  
Consultant (#AX009)

Copies Submitted: Addressee (electronic)

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# 1.0 SUMMARY

A summary of our findings is presented below. This summary is provided for convenience and should not be substituted for review of the full report, including all attachments as provided herein.

## 1.1 ASBESTOS

During this study, three hundred and seventy-five (375) samples of building materials were collected by NOVA from the survey areas, resulting in eight hundred and thirty-two (832) analyses due to sample layering. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead Technologies, LLC (Arrowhead), and analyzed using Polarized Light Microscopy (PLM), with **twenty-one (21)** of the analyzed samples indicating asbestos content.

Below is a summary of suspect ACM identified and sampled within the survey areas:

### SUMMARY OF RESULTS 1375 32nd St

HSA	Sample Number	Material Type & Location	PLM Analysis	*Estimated Quantity	EPA Cat.
1	1-5	Stucco/Plaster w/ Texture (Exterior Walls)	ND	2,000 ft. <sup>2</sup>	N/A
2	1-3	Decorative Brick (Exterior Walls)	ND	500 ft. <sup>2</sup>	N/A
3	1-3	Silver Foil Backing w/ Insulation & Adhesive (Ceiling Lights)	ND	25 ft. <sup>2</sup>	N/A
4	1-3	Brick (Fireplace)	ND	100 ft. <sup>2</sup>	N/A
5	1-3	Textured Wallboard (Outside Over Windows/Walls)	ND	100 ft. <sup>2</sup>	N/A
6	1-3	Asphalt Rolled Roof (West Overhanging Roof)	ND	300 ft. <sup>2</sup>	N/A
7	1-3	Black Flashing (Main Roof Stacks)	ND	100 ft. <sup>2</sup>	N/A
8	1-3	Masking Tape (Roof TV Antenna)	ND	10 ft. <sup>2</sup>	N/A
9	1-3	Shingle Roof (Main Roof)	ND	1,000 ft. <sup>2</sup>	N/A
10	1-3	Black Asphalt (Exterior Around Structure)	ND	1,000 ft. <sup>2</sup>	N/A
11	1-3	Concrete Pad (Exterior North & West of Structure)	ND	500 ft. <sup>2</sup>	N/A
12	1-3	<b>White Sink Coating (Unit B)</b>	<b>2% Chr</b>	<b>25 ft.<sup>2</sup></b>	<b>NF-II</b>
13	1-3	Drywall w/ Tape & Plaster (Interior Walls)	ND	1,000 ft. <sup>2</sup>	N/A
14	1-3	Plaster Walls (Behind Interior Walls)	ND	1,000 ft. <sup>2</sup>	N/A
15	1-3	Textured Wallboard (Unit A Interior Ceiling & Walls)	ND	500 ft. <sup>2</sup>	N/A
16	1-3	Black Tar Roof Repair (Above Unit A Kitchen)	ND	25 ft. <sup>2</sup>	N/A

17	1-3	Concrete w/ Mortar (Unit A Bathroom)	ND	100 ft. <sup>2</sup>	N/A
18	1-3	Gray Linoleum Type Floor (Unit A Kitchen)	ND	150 ft. <sup>2</sup>	N/A
19	1-3	Light Strip w/ Adhesive (Unit A Front Door Exterior)	ND	50 ft. <sup>2</sup>	N/A
20	1-3	White Caulk - Wood Floor Crack Sealant (Unit A Living Room, Kitchen & Closet Floors)	ND	150 ft. <sup>2</sup>	N/A
21	1-3	Multiple Layered Flooring & Mastic. <b>Gray Vinyl Floor Tile &amp; Black Mastic (Unit A Living Room Floor)</b>	2% & 5% Chr	150 ft. <sup>2</sup>	NF-I
22	1-3	Multiple Layered Flooring & Mastic. <b>Gray Vinyl Floor Tile &amp; Black Mastic (Unit A Bathroom &amp; Bedroom Doorways)</b>	2% & 5% Chr	70 ft. <sup>2</sup>	NF-I
23	1-3	Yellow Ceramic Floor Tile & Mortar (Unit A Bathroom Tub)	ND	50 ft. <sup>2</sup>	N/A
24	1-3	Layered Flooring (Unit A Bathroom)	ND	50 ft. <sup>2</sup>	N/A
25	1-3	Layered Flooring (Unit A Bedroom)	ND	200 ft. <sup>2</sup>	N/A
26	1-3	Layered Flooring (Unit B Kitchen)	ND	150 ft. <sup>2</sup>	N/A
27	1-3	Layered Flooring (Unit B Bathroom)	ND	100 ft. <sup>2</sup>	N/A
28	1-3	Multiple Layered Flooring & Mastic. <b>Green Vinyl Floor Tile &amp; Black Mastic (Unit B Living Room &amp; Bedroom)</b>	2% & 5% Chr	300 ft. <sup>2</sup>	NF-I
29	1-3	Window Flashing (All Units)	ND	400 ft. <sup>2</sup>	N/A
30	1-3	Window Caulk (All Units)	ND	1,000 ft. <sup>2</sup>	N/A
31	1-3	Layered Flooring (Unit C Interior)	ND	500 ft. <sup>2</sup>	N/A

**SUMMARY OF RESULTS**  
**1385 32nd St., Apts A & B**

HSA	Sample Number	Material Type & Location	PLM Analysis	*Estimated Quantity	EPA Cat.
1	1-1	Tar Covered Shingles (Unit A & B Roof Pitch)	ND	800 ft. <sup>2</sup>	N/A
2	1-3	Roofing Shingles (Unit A & B Roof Pitch)	ND	800 ft. <sup>2</sup>	N/A
3	1-3	<b>Black Tar &amp; Gravel Roof (Center Roof Btwn. Pitches)</b>	5% Chr	600 ft. <sup>2</sup>	NF-II
4	1-3	Gray/White Caulk w/ <b>Black Tar (Roof Seams Under Eaves)</b>	5% Chr	100 ft. <sup>2</sup>	NF-II
5	1-3	Gray Flashing, <b>Black Tar &amp; Silver Coating (Unit A Front Eaves)</b>	2% & 5% Chr	25 ft. <sup>2</sup>	NF-II
6	1-3	Gray/Brown Flashing (Unit A & B Roof Overhang)	ND	50 ft. <sup>2</sup>	N/A
7	1-3	Gray Flashing, <b>Black Tar &amp; Silver Coating (Unit A &amp; B Roof Overhang &amp; Stacks)</b>	2% & 5% Chr	100 ft. <sup>2</sup>	NF-II
8	1-3	Brick & Mortar (Center of Structure)	ND	500 ft. <sup>2</sup>	N/A



9	1-3	Concrete Pad (Unit A Exterior Front & Back Doors)	ND	50 ft. <sup>2</sup>	N/A
10	1-3	Wallboard over Wood (Units A & B Walls)	ND	1,000 ft. <sup>2</sup>	N/A
11	1-3	Skirt Paneling (Around Exterior of Structure)	ND	1,000 ft. <sup>2</sup>	N/A
12	1-3	Ceiling Drywall w/ Rough Texture (Unit A Bedroom)	ND	500 ft. <sup>2</sup>	N/A
13	1-3	Peel N Stick Vinyl Type Floor & Adhesive (Unit A Living Room & Kitchen)	ND	200 ft. <sup>2</sup>	N/A
14	1-3	<b>Drywall &amp; White Textured Material w/ Paint (Unit A Bedroom)</b>	<b>2% Chr</b>	<b>200 ft.<sup>2</sup></b>	<b>NF-II**</b>
15	1-3	Wallpaper & Adhesive (Unit A Kitchen, Bathroom & Living Room)	ND	200 ft. <sup>2</sup>	N/A
16	1-3	2' x 4' Ceiling Tiles w/ Pinholes/Fissures (Unit A Kitchen & Living Room)	ND	200 ft. <sup>2</sup>	N/A
17	1-3	Two Layers of Linoleum Flooring & Mastic (Unit A Bedroom)	ND	200 ft. <sup>2</sup>	N/A
18	1-3	Tan Counter Caulk (Unit A Kitchen Sink)	ND	50 ft. <sup>2</sup>	N/A
19	1-3	<b>White Surfacing Material w/ Paint Over Plaster Located Behind Drywall &amp; Above Ceiling Tiles (Unit A Kitchen, Living Room &amp; Bathroom)</b>	<b>2% Chr</b>	<b>200 ft.<sup>2</sup></b>	<b>NF-II**</b>
20	1-3	Plaster behind Drywall & Above Ceiling Tiles (Unit B Kitchen, Living Room & Bedroom)	ND	400 ft. <sup>2</sup>	N/A
21	1-3	<b>Drywall &amp; White Textured Material w/ Paint (Unit B Bedroom)</b>	<b>2% Chr</b>	<b>200 ft.<sup>2</sup></b>	<b>NF-II**</b>
22	1-3	<b>Textured Wallboard Ceiling w/ Paint (Unit B Bedroom)</b>	<b>2% Chr</b>	<b>200 ft.<sup>2</sup></b>	<b>NF-II**</b>
23	1-3	White/Tan Smooth Textured Drywall (Unit B Bedroom)	ND	200 ft. <sup>2</sup>	N/A
24	1-3	Lt Brown Vinyl Covered Wallboard (Unit B Kitchen & Living Room Walls)	ND	200 ft. <sup>2</sup>	N/A
25	1-3	White Counter Caulk (Unit B Kitchen)	ND	100 ft. <sup>2</sup>	N/A
26	1-3	Yellow Countertop & Adhesive (Unit B Kitchen)	ND	100 ft. <sup>2</sup>	N/A
27	1-3	Black Sink Coating (Unit B Kitchen)	ND	10 ft. <sup>2</sup>	N/A
28	1-3	Smooth Brown Wallboard Walls (Unit B Kitchen & Living Room)	ND	200 ft. <sup>2</sup>	N/A
29	1-3	Silver Paper w/ Yellow Insulation (Unit B Bedroom)	ND	100 ft. <sup>2</sup>	N/A
30	1-3	Peel N Stick Flooring & Adhesive over Wood (Unit B Living Room, Bathroom & Bedroom)	ND	400 ft. <sup>2</sup>	N/A

31	1-3	Black Window Flashing (Window Exterior)	ND	500 ft. <sup>2</sup>	N/A
32	1-3	White Window Caulk (Window Exterior)	ND	500 ft. <sup>2</sup>	N/A
33	1-3	Tan Window Caulk (Window Exterior)	ND	500 ft. <sup>2</sup>	N/A
34	1-3	Duct Tape Seal Around Windows (Windows)	ND	25 ft. <sup>2</sup>	N/A

**SUMMARY OF RESULTS**  
**1385 32nd St., Apts C & D**

HSA	Sample Number	Material Type & Location	PLM Analysis	*Estimated Quantity	EPA Cat.
1	1-1	Crack Filler in Concrete (Unit C Floor)	ND	10 ft. <sup>2</sup>	N/A
2	1-3	Concrete Painted Blue (Unit C Floor)	ND	400 ft. <sup>2</sup>	N/A
3	1-3	Black Tar Paper from Water Heater (Water Heater Inside Shed)	ND	10 ft. <sup>2</sup>	N/A
4	1-3	Silver Tape & Adhesive from Water Heater (Water Heater Inside Shed)	ND	5 ft. <sup>2</sup>	N/A
5	1-3	Wall Insulation w/ Paper Backing & Black Coating (Unit C Interior)	ND	400 ft. <sup>2</sup>	N/A
6	1-3	Textured Ceiling Drywall w/ Attached Insulation (Unit C)	ND	400 ft. <sup>2</sup>	N/A
7	1-3	Smooth Drywall (Unit C Interior Walls)	ND	400 ft. <sup>2</sup>	N/A
8	1-3	Painted Wallboard (Unit C Exterior Walls)	ND	400 ft. <sup>2</sup>	N/A
9	1-3	Lower Wall Siding (Unit C & D Exterior Walls)	ND	500 ft. <sup>2</sup>	N/A
10	1-3	Upper Wall Siding (Unit C & D Exterior Walls)	ND	500 ft. <sup>2</sup>	N/A
11	1-3	Pink Wall Insulation (Unit D Interior)	ND	400 ft. <sup>2</sup>	N/A
12	1-3	Vinyl Floor Tile & Mastic (Unit D Bathroom)	ND	50 ft. <sup>2</sup>	N/A
13	1-3	Lt Brown Painted Drywall (Unit D Interior Walls)	ND	400 ft. <sup>2</sup>	N/A
14	1-3	Rough Textured Ceiling Drywall (Unit D Kitchen & Living Room)	ND	400 ft. <sup>2</sup>	N/A
15	1-3	Swirl Textured Ceiling Drywall (Unit D Bedroom & Bathroom)	ND	200 ft. <sup>2</sup>	N/A
16	1-3	White Bonding on Drywall (Unit C & D Interior Walls)	ND	300 ft. <sup>2</sup>	N/A
17	1-3	Siding Patch Glue (Unit D)	ND	10 ft. <sup>2</sup>	N/A
18	1-3	White Countertop Caulk (Unit C & D Kitchen & Bathroom)	ND	100 ft. <sup>2</sup>	N/A

**SUMMARY OF RESULTS  
 3136-3146 US 1**

HSA	Sample Number	Material Type & Location	PLM Analysis	*Estimated Quantity	EPA Cat.
19	1-7	Lt Gray Plaster w/ Paint (Around Bldg. Exterior)	ND	10,000 ft. <sup>2</sup>	N/A
20	1-7	Dk Gray Plaster w/ Paint (Around Bldg. Exterior)	ND	10,000 ft. <sup>2</sup>	N/A
21	1-3	Wallboard Painted Walls (Around Bldg. Exterior)	ND	5,000 ft. <sup>2</sup>	N/A
22	1-3	Window Seal Caulk (Rear Windows)	ND	200 ft. <sup>2</sup>	N/A
23	1-3	Dk Gray Crack Filler (Exterior Siding)	ND	500 ft. <sup>2</sup>	N/A
24	1-3	Red Brick w/ Brown Paint (Bldg. Exterior)	ND	5,000 ft. <sup>2</sup>	N/A
25	1-3	Lower Siding on Bldg. (Bldg. Exterior)	ND	5,000 ft. <sup>2</sup>	N/A
26	1-3	Stucco Patch (Exterior Southside of Bldg.)	ND	500 ft. <sup>2</sup>	N/A
27	1-3	Shingle Roof (North Roof Pitch)	ND	1,000 ft. <sup>2</sup>	N/A
28	1-3	Gravel Roof (Btwn Metal Roof Pitch)	ND	1,000 ft. <sup>2</sup>	N/A
29	1-3	Asphalt Roof Patch & <b>Silver Coating</b> Over Tar/Gravel Roof (Btwn Metal Roof Pitch)	2% Chr	200 ft. <sup>2</sup>	NF-II
30	1-3	Black Tar & <b>Silver Coating</b> Over Seams, Roof Corners and Patches (Btwn Metal Roof Pitch)	2% Chr	500 ft. <sup>2</sup>	NF-II
31	1-3	Roof Seam Black Tar and Foam (Under Metal Roof Pitch)	ND	1,000 ft. <sup>2</sup>	N/A
32	1-3	Roof Seam Gray Material (Under Metal Roof Pitch)	ND	50 ft. <sup>2</sup>	N/A
33	1-3	<b>Black Roof Flashing &amp; Silver Coating (Roof Stacks)</b>	2% & 5% Chr	200 ft. <sup>2</sup>	NF-II
34	1-3	White/Gray Flashing (Roof Stacks)	ND	50 ft. <sup>2</sup>	N/A
35	1-3	White Flashing (Under Metal Roof at Seams)	ND	2,000 ft. <sup>2</sup>	N/A
36	1-3	<b>Black Tar &amp; Silver Coating (Parapet Front of Bldg.)</b>	2% & 5% Chr	500 ft. <sup>2</sup>	NF-II
37	1-3	<b>Black Flashing &amp; Silver Coating (South Roof Seams at Metal and Gravel Roof)</b>	2% & 5% Chr	1,000 ft. <sup>2</sup>	NF-II
38	1-5	Drywall & <b>White Surfacing Material w/ Paint (Bldg. Interior)</b>	2% Chr	5,000 ft. <sup>2</sup>	NF-II**
39	1-3	Two Layers of Flooring w/ Leveling Compound & Mastic (Center Bathroom)	ND	50 ft. <sup>2</sup>	N/A
40	1-3	2' x 4' Ceiling Tiles w/ Pinholes/Fissures (Bldg. Interior)	ND	700 ft. <sup>2</sup>	N/A
41	1-3	Drywall & <b>White Textured Material w/ Paint (Main Room Walls &amp; Ceiling)</b>	2% Chr	1,000 ft. <sup>2</sup>	NF-II**

42	1-3	<b>Brown Vinyl Floor Tile &amp; Black Mastic (South Bathroom)</b>	<b>2% &amp; 5% Chr</b>	<b>50 ft.<sup>2</sup></b>	<b>NF-I</b>
43	1-3	Green Vinyl Floor Tile & Mastic (Attached Back Room Bathroom)	ND	50 ft. <sup>2</sup>	N/A
44	1-3	Brown Peel N Stick Flooring & Adhesive (Attached Back Room Living Room and Kitchen)	ND	200 ft. <sup>2</sup>	N/A
45	1-5	Gray Plaster (Bldg. Interior)	ND	5,000 ft. <sup>2</sup>	N/A
46	1-3	Black Vinyl Baseboards & Adhesive (Bldg. Interior)	ND	500 ft. <sup>2</sup>	N/A
47	1-3	HVAC Duct/Insulation (Attached Back Room w/ AC)	ND	100 ft. <sup>2</sup>	N/A
48	1-3	Silver Tape & Adhesive (Office Area)	ND	500 ft. <sup>2</sup>	N/A
49	1-3	Two Layers of Vinyl Floor Tile w/ Leveling Compound & Mastic (Office Area)	ND	100 ft. <sup>2</sup>	N/A
50	1-3	Office Foam Insulation w/ Silver Backing (Office Area)	ND	100 ft. <sup>2</sup>	N/A
51	1-3	<b>Black Mastic &amp; Drywall (Behind Office Wood Paneling)</b>	<b>2% Chr</b>	<b>200 ft.<sup>2</sup></b>	<b>NF-I</b>
52	1-3	Gray Vinyl Floor Tile w/ Leveling Compound & Mastic (Office Area)	ND	100 ft. <sup>2</sup>	N/A
53	1-3	Wallpaper (Attached Back Room)	ND	200 ft. <sup>2</sup>	N/A
54	1-3	White Wallboard (Interior Front Central Portion of Bldg.)	ND	500 ft. <sup>2</sup>	N/A
55	1-3	White Caulk (Interior Front Central Portion of Bldg.)	ND	500 ft. <sup>2</sup>	N/A
56	1-3	Wallboard (At Workshop Back Central Portion of Bldg.)	ND	500 ft. <sup>2</sup>	N/A

(\*): Neither NOVA nor the client will be held responsible for anyone’s use of the estimated quantity. It is suggested that anyone responsible for the project prepare their own quantity estimates.

(\*\*): This material will most likely become Friable during demolition, and therefore must be treated as friable material.

**TABLE LEGEND:**

<b>HSA:</b>	Homogenous Sampling Area	<b>QUANTITY ESTIMATE:</b>	Estimated Quantity of HSA
<b>PLM ANALYSIS:</b>	Chr. = Chrysotile Asbestos	<b>EPA CATEGORY:</b>	F = Friable
	Chr. = Chrysotile Asbestos		NF-I = Category I Non-Friable
	Crc. = Crocidolite Asbestos		NF-II = Category II Non-Friable
	ND = No Asbestos Detected		N/A = Not Applicable

Polarized Light Microscopy (PLM) is commonly used for bulk asbestos identification, but it can identify non-asbestos fibers as asbestos. In an effort to eliminate false positives (and costly unnecessary abatement), samples reported as containing between 1% and 10% asbestos can be analyzed/verified by point count. The alternative is to assume the subject material to be asbestos containing. The Occupational Safety and Health Administration (OSHA) Asbestos Standard for

Construction Industry 29 CFR 1926.1101 regulates workplace exposure to asbestos. OSHA does not define Asbestos Containing Material on asbestos content. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. In addition to worker protection, the means and methods necessary for ACM abatement are the sole responsibility of the abatement contractor.

A complete list of suspected ACM samples obtained is also shown in the laboratory report (included in **Appendix B**).

## 2.0 INTRODUCTION

### 2.1 DESCRIPTION OF SURVEY AREA

The survey areas consisted of all retail & residential structures located at 1375 & 1385 32nd St and 3136 & 3146 US Highway 1 in Vero Beach, Florida. In addition, NOVA sampled several unpermitted structures that were not included within the Indian River County, FL Property Appraiser office information provided for the subject site. Therefore, the number of samples collected exceeded the number of samples proposed in NOVA Proposal Number: 10101-3023019, dated June 23, 2023.

### 2.2 PURPOSE

As requested by the Client, the Pre-Demolition Asbestos Containing Materials (ACM) Survey was performed in an effort to identify ACM. This work has been performed in general accordance with NOVA Proposal Number: 10101-3023019, dated June 23, 2023, and applicable state and federal regulations, and routine industry practice.

ACM sampling was performed in general accordance with the Asbestos Hazard Emergency Response Act (AHERA) guidelines and ASTM E2356-18, "Standard Practice for Comprehensive Building Asbestos Survey" as a Baseline Survey.

### 2.3 LIMITATIONS

NOVA has performed the Pre-Demolition Asbestos Containing Materials Survey, which is a limited inquiry into a property's environmental status, with respect to asbestos containing materials, and is not sufficient to discover every potential source of ACMs at the property to be evaluated. No survey can wholly eliminate uncertainty regarding the potential ACMs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for ACMs in connection with a property. The level of inquiry is variable. Not every property will warrant the same level of assessment for ACMs. Consistent with good commercial or customary practices, the appropriate level of assessment is guided by the type of property subject to assessment, the intended use of the property, the expertise and risk tolerance of the Client, and the information developed over the course of the assessment.

NOVA's findings, opinions, conclusions and recommendations are based on information obtained through visual assessment of surficial conditions in readily accessible areas. It is possible that additional ACMs exist or may subsequently become known that may impact or change the assessment after NOVA's services are complete.

NOVA’s assessment represents our professional opinion, only. Therefore, NOVA cannot, under any circumstances, make a statement of warranty or guarantee, expressed or implied, that ACMs are limited to those that are discovered while we were performing the survey.

## 2.4 USER RELIANCE

NOVA’s Pre-Demolition Asbestos Containing Materials Survey, along with the findings and conclusions contained in the report, either in completed form, summary form, or by extraction, is prepared, and intended, for the sole use of **Indian River County Public Works Department** (the Client) and therefore may not contain sufficient information for other purposes or parties. The Client is the only intended beneficiary of this report. The contents of NOVA’s report will continue to be the property of NOVA. NOVA’s report may not be disclosed to, used by, or relied upon by, any person or entity other than the Client without the express written consent of NOVA.

Authorization for disclosure to a third party or authorization for third-party reliance on a final report of any report will be considered by NOVA upon the written request of the Client. NOVA reserves the right to deny authorization to allow disclosure or reliance of NOVA’s report to third parties.

## 3.0 ASBESTOS CONTAINING MATERIALS

### 3.1 FIELD AND LABORATORY SERVICES

Mr. Bruce McKinnes a NOVA professional and federal certified asbestos inspector (See **Appendix D** for certification) performed the field work for the Pre-Demolition Asbestos Containing Materials Survey at the Subject Site on July 12<sup>th</sup>, 14<sup>th</sup>, and 17<sup>th</sup> of 2023.

#### 3.1.1 ASBESTOS CONTAINING MATERIALS SAMPLING

The building areas were visually assessed by NOVA to identify suspect ACMs, which were then grouped into three categories according to their intended use:

- **Surfacing Materials** such as sprayed-on or troweled fireproofing, acoustical and decorative insulation, textured “popcorn” finishes, paint, stucco, etc.
- **Thermal System Insulation (TSI)**, such as pipe, boiler and storage tank insulation, and insulation on ducts, pumps, heat exchangers, and other equipment.

- **Miscellaneous Materials**, such as floor and ceiling tiles, wallboard, asbestos-cement board, siding and other building materials that did not fall into one of the previously mentioned categories.

Where applicable, materials with similar texture, color and general appearance were considered homogeneous for sampling purposes, including visually similar materials on different floors. NOVA's assessment also included touching representative samples to determine friability, a mechanical classification defined as whether a material can be crumbled, pulverized, or reduced to powder by hand pressure.

Bulk samples were subsequently obtained in general accordance with the AHERA (40 CFR 763.86, Sampling) and ASTM E2356-18 procedures. The samples were placed in appropriate containers, and the containers sealed and labeled with a unique identification number. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead for analysis.

The ACM samples were analyzed for asbestos using Polarized Light Microscopy (PLM) methods in accordance with EPA Method 600/R-93/116. Copies of the complete asbestos laboratory report and chain-of custody are included in **Appendix B**.

Using the results of the laboratory analysis and NOVA's visual assessment, the asbestos containing building materials can be further categorized into three groups:

- **Friable ACM** – Any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix C, Subpart F, 40 CFR part 763 Section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Nonfriable ACM** - Asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent (1%) asbestos as determined using the method specified in Appendix C, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy.
- **Category II Nonfriable ACM** - Any material, excluding Category I Nonfriable ACM, containing more than one percent (1%) asbestos as determined using the methods specified in Appendix C, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy that, when dry, *cannot* be crumbled, pulverized, or reduced to powder by hand pressure.

A complete list of suspected ACM samples obtained is shown in the laboratory report (included in **Appendix B**).



## 3.2 ASBESTOS

During this study, three hundred and seventy-five (375) samples of building materials were collected by NOVA from the survey areas, resulting in eight hundred and thirty-two (832) analyses due to sample layering. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead Technologies, LLC (Arrowhead), and analyzed using Polarized Light Microscopy (PLM), with **twenty-one (21)** of the analyzed samples indicating asbestos content.

- 1375 32nd St - White Sink Coating (Unit B): HSA 12.
- 1375 32nd St - Gray Vinyl Floor Tile & Black Mastic (Unit A Living Room Floor): HSA 21.
- 1375 32nd St - Gray Vinyl Floor Tile & Black Mastic (Unit A Bathroom & Bedroom Doorways): HSA 22.
- 1375 32nd St - Green Vinyl Floor Tile & Black Mastic (Unit B Living Room & Bedroom): HSA 28.
- 1385 32nd St., Apts A & B – Black Tar (Center Roof Btwn. Pitches): HSA 3.
- 1385 32nd St., Apts A & B - Black Tar (Roof Seams Under Eaves): HSA 4.
- 1385 32nd St., Apts A & B - Black Tar & Silver Coating Material (Unit A Front Eaves): HSA 5.
- 1385 32nd St., Apts A & B - Black Tar & Silver Coating Material (Unit A & B Roof Overhang & Stacks): HSA 7.
- 1385 32nd St., Apts A & B - White Textured Material w/ Paint (Unit A Bedroom): HSA 14.
- 1385 32nd St., Apts A & B - White Surfacing Material w/ Paint (Unit A Kitchen, Living Room & Bathroom): HSA 19.
- 1385 32nd St., Apts A & B - White Textured Material w/ Paint (Unit B Bedroom): HSA 21.
- 1385 32nd St., Apts A & B - Rough Textured Wallboard Ceiling (Unit B Bedroom): HSA 22.

- 3136-3146 US 1 - Silver Coating Material (Btwn Metal Roof Pitch): HSA 29.
- 3136-3146 US 1 - Silver Coating Material (Btwn Metal Roof Pitch): HSA 30.
- 3136-3146 US 1 - Black Roof Flashing & Silver Coating Material (Roof Stacks): HSA 33.
- 3136-3146 US 1 - Black Tar & Silver Coating Material (Parapet Front of Bldg.): HSA 36.
- 3136-3146 US 1 - Black Flashing & Silver Coating Material (South Roof Seams at Metal and Gravel Roof): HSA 37.
- 3136-3146 US 1 - White Surfacing Material w/ Paint (Bldg. Interior): HSA 38.
- 3136-3146 US 1 - White Textured Material w/ Paint (Main Room Walls & Ceiling): HSA 41.
- 3136-3146 US 1 - Brown Vinyl Floor Tile & Black Mastic (South Bathroom): HSA 42.
- 3136-3146 US 1 - Black Mastic (Behind Office Wood Paneling): HSA 51.

### 3.3 ASBESTOS ABATEMENT

All identified non-friable ACMs, that are likely to become friable during demolition activities must be properly abated by a Florida Licensed Asbestos Contractor prior to demolition activities in those areas. According the USEPA NESHAP regulations, 40 CFR 61, Subpart M, the identified non-friable ACMs, that will most likely not become friable during demolition activities, may remain in place using a wet demolition process and disposed of in a landfill that will accept unregulated asbestos waste, or may be removed prior to demolition by a Florida licensed Asbestos Contractor.

Any ACMs identified should be handled in accordance with the applicable OSHA and FDEP requirements. Prior to abatement, demolition, or renovation activities, which may disturb ACMs, a written ten (10) working day notification must be submitted to the Florida Department of Environmental Protection, Southeast District. Notifications that do not meet the ten (10) day requirement or are incomplete are considered “improper” and may result in enforcement proceedings. Asbestos abatement contractors must maintain current licensing as required by the Florida Department of Business & Professional Regulation (DBPR) and local jurisdictions for the removal, transportation, disposal, or any other asbestos regulated activity.

The Occupational Safety and Health Administration (OSHA) Asbestos Standard for Construction Industry 29 CFR 1926.1101 regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below the Permissible Exposure Limit (PEL) of 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. In addition to worker protection, the means, and methods necessary for ACM abatement are the sole responsibility of the contractor. However, if the PEL is not exceeded, the area is not considered a regulated area by the OSHA standard.

**Any suspect materials not identified** in this inspection should be treated as ACMs and should be handled in accordance with the applicable OSHA, USEPA and FDEP requirements until testing can prove otherwise.

Please be advised that a copy of this report must be on site during demolition of the buildings, in the event of a regulatory inspection.

**APPENDIX A**  
Location Map



FIGURE 1  
LOCATION MAP



RETAIL & RESIDENTIAL STRUCTURES  
1375 & 1385 32ND ST AND 3136 &  
3146 US HIGHWAY 1  
VERO BEACH, FL 32960  
NOVA Project No. 10101-3023019

**APPENDIX B**  
Photo Log of ACMs



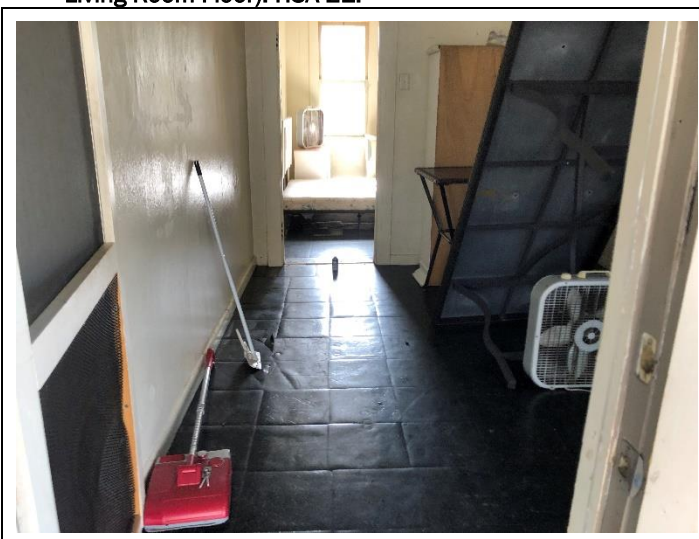
1. 1375 32nd St - White Sink Coating (Unit B): HSA 12.



2. 1375 32nd St - Gray Vinyl Floor Tile & Black Mastic (Unit A Living Room Floor): HSA 21.



3. 1375 32nd St - Gray Vinyl Floor Tile & Black Mastic (Unit A Bathroom & Bedroom Doorways): HSA 22.



4. 1375 32nd St - Green Vinyl Floor Tile & Black Mastic (Unit B Living Room & Bedroom): HSA 28.



5. 1385 32nd St., Apts A & B - Black Tar (Center Roof Btwn. Pitches): HSA 3.



6. 1385 32nd St., Apts A & B - Black Tar (Roof Seams Under Eaves): HSA 4.



7. 1385 32nd St., Apts A & B - Black Tar & Silver Coating Material (Unit A Front Eaves): HSA 5.



8. 1385 32nd St., Apts A & B - Black Tar & Silver Coating Material (Unit A & B Roof Overhang & Stacks): HSA 7.



9. 1385 32nd St., Apts A & B - White Textured Material w/ Paint (Unit A Bedroom): HSA 14.



10. 1385 32nd St., Apts A & B - White Surfacing Material w/ Paint (Unit A Kitchen, Living Room & Bathroom): HSA 19.



11. 1385 32nd St., Apts A & B - White Textured Material w/ Paint (Unit B Bedroom): HSA 21.



12. 1385 32nd St., Apts A & B - Rough Textured Wallboard Ceiling (Unit B Bedroom): HSA 22.





13. 3136-3146 US 1 - Silver Coating Material (Btwn Metal Roof Pitch): HSA 29.



14. 3136-3146 US 1 - Silver Coating Material (Btwn Metal Roof Pitch): HSA 30.



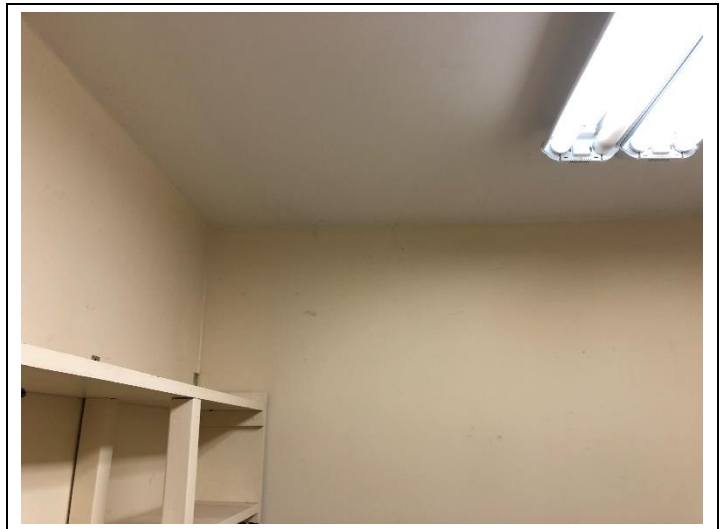
15. 3136-3146 US 1 - Black Roof Flashing & Silver Coating Material (Roof Stacks): HSA 33.



16. 3136-3146 US 1 - Black Tar & Silver Coating Material (Parapet Front of Bldg.): HSA 36.



17. 3136-3146 US 1 - Black Flashing & Silver Coating Material (South Roof Seams at Metal and Gravel Roof): HSA 37.



18. 3136-3146 US 1 - White Surfacing Material w/ Paint (Bldg. Interior): HSA 38.



19. 3136-3146 US 1 - White Textured Material w/ Paint (Main Room Walls & Ceiling): HSA 41.



20. 3136-3146 US 1 - Brown Vinyl Floor Tile & Black Mastic (South Bathroom): HSA 42.



21. 3136-3146 US 1 - Black Mastic (Behind Office Wood Paneling): HSA 51.

**APPENDIX C**  
Laboratory Data



3151 San Bernadino St.  
Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011974
Project :	1375 32nd St	AT Job No. :	23-11974
Client Project No.:	10101-3023019	Report Date :	7/17/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/12/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/12/2023, ninety-five (95) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011974-001	Stucco/Plaster w/ Texture HA1-1	None Detected-Gray Texture w/ Paint None Detected-Gray Stucco/Plaster
011974-002	Stucco/Plaster w/ Texture HA1-2	None Detected-Gray Texture w/ Paint None Detected-Gray Stucco/Plaster
011974-003	Stucco/Plaster w/ Texture HA1-3	None Detected-Gray Texture w/ Paint None Detected-Gray Stucco/Plaster
011974-004	Stucco/Plaster w/ Texture HA1-4	None Detected-Gray Texture w/ Paint None Detected-Gray Stucco/Plaster
011974-005	Stucco/Plaster w/ Texture HA1-5	None Detected-Gray Texture w/ Paint None Detected-Gray Stucco/Plaster
011974-006	Decorative Brick HA2-1	None Detected-Gray Material w/ Paint None Detected-Red Material w/ Paint
011974-007	Decorative Brick HA2-2	None Detected-Gray Material w/ Paint None Detected-Red Material w/ Paint
011974-008	Decorative Brick HA2-3	None Detected-Gray Material w/ Paint None Detected-Red Material w/ Paint

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Project :	1375 32nd St	AT Job No. :	23-11974
Client Project No.:	10101-3023019	Report Date :	7/17/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/12/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

Page 2 of 15

On 7/12/2023, ninety-five (95) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011974-009	Silver Paper HA3-1	None Detected-Silver Foil None Detected-Yellow Adhesive None Detected-White Glass Insulation
011974-010	Silver Paper HA3-2	None Detected-Silver Foil None Detected-Yellow Adhesive None Detected-White Glass Insulation
011974-011	Silver Paper HA3-3	None Detected-Silver Foil None Detected-Yellow Adhesive None Detected-White Glass Insulation
011974-012	Brick HA4-1	None Detected-White Surfacing w/ Paint None Detected-Tan Brick
011974-013	Brick HA4-2	None Detected-White Surfacing w/ Paint None Detected-Tan Brick
011974-014	Brick HA4-3	None Detected-White Surfacing w/ Paint None Detected-Tan Brick
011974-015	Textured Wallboard HA5-1	None Detected-Gray Paint None Detected-Gray Cement Board

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011974
Project :	1375 32nd St	AT Job No. :	23-11974
Client Project No.:	10101-3023019	Report Date :	7/17/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/12/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

Page 3 of 15

On 7/12/2023, ninety-five (95) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011974-016	Textured Wallboard HA5-2	None Detected-Gray Paint None Detected-Gray Cement Board
011974-017	Textured Wallboard HA5-3	None Detected-Gray Paint None Detected-Gray Cement Board
011974-018	Asphalt Rolled Roof HA6-1	None Detected-Black Roof Membrane None Detected-Black Roofing Felt
011974-019	Asphalt Rolled Roof HA6-2	None Detected-Black Roof Membrane None Detected-Black Roofing Felt
011974-020	Asphalt Rolled Roof HA6-3	None Detected-Black Roof Membrane None Detected-Black Roofing Felt
011974-021	Black Flashing HA7-1	None Detected-Black Flashing
011974-022	Black Flashing HA7-2	None Detected-Black Flashing
011974-023	Black Flashing HA7-3	None Detected-Black Flashing
011974-024	Masking Tape HA8-1	None Detected-Gray Tape
011974-025	Masking Tape HA8-2	None Detected-Gray Tape

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011974
Project :	1375 32nd St	AT Job No. :	23-11974
Client Project No.:	10101-3023019	Report Date :	7/17/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/12/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/12/2023, ninety-five (95) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011974-026	Masking Tape HA8-3	None Detected-Gray Tape
011974-027	Shingle Roof HA9-1	None Detected-Black Roofing Shingle None Detected-Black Roofing Felt None Detected-Tan Paper
011974-028	Shingle Roof HA9-2	None Detected-Black Roofing Shingle None Detected-Black Roofing Felt None Detected-Tan Paper
011974-029	Shingle Roof HA9-3	None Detected-Black Roofing Shingle None Detected-Black Roofing Felt None Detected-Tan Paper
011974-030	Asphalt HA10-1	None Detected-Black Asphalt
011974-031	Asphalt HA10-2	None Detected-Black Asphalt
011974-032	Asphalt HA10-3	None Detected-Black Asphalt
011974-033	Concrete Pads HA11-1	None Detected-Gray Concrete
011974-034	Concrete Pads HA11-2	None Detected-Gray Concrete

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-035	Concrete Pads HA11-3	None Detected-Gray Concrete
011974-036	White Sink Coating HA12-1	2% Chrysotile-White Sink Mastic
011974-037	White Sink Coating HA12-2	Not Analyzed
011974-038	White Sink Coating HA12-3	Not Analyzed
011974-039	Drywall/Tape/Mud HA13-1	None Detected-White Plaster w/ Paint None Detected-Gray Plaster None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011974-040	Drywall/Tape/Mud HA13-2	None Detected-White Plaster w/ Paint None Detected-Gray Plaster None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011974-041	Drywall/Tape/Mud HA13-3	None Detected-White Plaster w/ Paint None Detected-Gray Plaster None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011974-042	Plaster Walls HA14-1	None Detected-Gray Plaster

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-043	Plaster Walls HA14-2	None Detected-Gray Plaster
011974-044	Plaster Walls HA14-3	None Detected-Gray Plaster
011974-045	Textured Wallboard HA15-1	None Detected-White Texture w/ Paint None Detected-White Plaster None Detected-Gray Plaster
011974-046	Textured Wallboard HA15-2	None Detected-White Texture w/ Paint None Detected-White Plaster None Detected-Gray Plaster
011974-047	Textured Wallboard HA15-3	None Detected-White Texture w/ Paint None Detected-White Plaster None Detected-Gray Plaster
011974-048	Black Tar Roof Repair HA16-1	None Detected-Black Tar
011974-049	Black Tar Roof Repair HA16-2	None Detected-Black Tar
011974-050	Black Tar Roof Repair HA16-3	None Detected-Black Tar
011974-051	Concrete w/ Mortar HA17-1	None Detected-Gray Concrete w/ Paint None Detected-White Mortar

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-052	Concrete w/ Mortar HA17-2	None Detected-Gray Concrete w/ Paint None Detected-White Mortar
011974-053	Concrete w/ Mortar HA17-3	None Detected-Gray Concrete w/ Paint None Detected-White Mortar
011974-054	Gray Linoleum Type Floor HA18-1	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Tan Linoleum Surface None Detected-White Backing
011974-055	Gray Linoleum Type Floor HA18-2	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Tan Linoleum Surface None Detected-White Backing
011974-056	Gray Linoleum Type Floor HA18-3	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Tan Linoleum Surface None Detected-White Backing
011974-057	Light Strip w/ Glue HA19-1	None Detected-Yellow/White Light Strip None Detected-Clear Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-058	Light Strip w/ Glue HA19-2	None Detected-Yellow/White Light Strip None Detected-Clear Adhesive
011974-059	Light Strip w/ Glue HA19-3	None Detected-Yellow/White Light Strip None Detected-Clear Adhesive
011974-060	White Caulk HA20-1	None Detected-White Caulking
011974-061	White Caulk HA20-2	None Detected-White Caulking
011974-062	White Caulk HA20-3	None Detected-White Caulking
011974-063	VFTs w/ Yellow/Black Mastic HA21-1	None Detected-Gray/Blue Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic
011974-064	VFTs w/ Yellow/Black Mastic HA21-2	None Detected-Gray/Blue Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-065	VFTs w/ Yellow/Black Mastic HA21-3	None Detected-Gray/Blue Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic
011974-066	VFTs w/ Mastic HA22-1	None Detected-Brown Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic
011974-067	VFTs w/ Mastic HA22-2	None Detected-Brown Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic
011974-068	VFTs w/ Mastic HA22-3	None Detected-Brown Floor Tile None Detected-Yellow Mastic 2% Chrysotile-Gray Floor Tile 5% Chrysotile-Black Mastic
011974-069	Floor Tile/Mortar HA23-1	None Detected-Yellow Ceramic Tile None Detected-Gray Tile Mortar

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-070	Floor Tile/Mortar HA23-2	None Detected-Yellow Ceramic Tile None Detected-Gray Tile Mortar
011974-071	Floor Tile/Mortar HA23-3	None Detected-Yellow Ceramic Tile None Detected-Gray Tile Mortar
011974-072	Layered Flooring HA24-1	None Detected-Brown Vinyl Flooring None Detected-Clear Adhesive None Detected-WhiteBrown Laminate Floor
011974-073	Layered Flooring HA24-2	None Detected-Brown Vinyl Flooring None Detected-Clear Adhesive None Detected-WhiteBrown Laminate Floor
011974-074	Layered Flooring HA24-3	None Detected-Brown Vinyl Flooring None Detected-Clear Adhesive None Detected-WhiteBrown Laminate Floor
011974-075	Layered Flooring HA25-1	None Detected-Brown Linoleum Surface None Detected-Gray Backing None Detected-Gray Floor Tile None Detected-Yellow Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-076	Layered Flooring HA25-2	None Detected-Brown Linoleum Surface None Detected-Gray Backing None Detected-Gray Floor Tile None Detected-Yellow Mastic
011974-077	Layered Flooring HA25-3	None Detected-Brown Linoleum Surface None Detected-Gray Backing None Detected-Gray Floor Tile None Detected-Yellow Mastic
011974-078	Layered Flooring HA26-1	None Detected-Beige Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard
011974-079	Layered Flooring HA26-2	None Detected-Beige Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard
011974-080	Layered Flooring HA26-3	None Detected-Beige Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-081	Linoleum Flooring Layered HA27-1	None Detected-Tan Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard
011974-082	Linoleum Flooring Layered HA27-2	None Detected-Tan Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard
011974-083	Linoleum Flooring Layered HA27-3	None Detected-Tan Linoleum Surface None Detected-White Backing None Detected-Brown Fiberboard
011974-084	Layered Flooring HA28-1	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Brown Laminate Flooring 2% Chrysotile-Green Floor Tile 5% Chrysotile-Black Mastic
011974-085	Layered Flooring HA28-2	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Brown Laminate Flooring 2% Chrysotile-Green Floor Tile 5% Chrysotile-Black Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-086	Layered Flooring HA28-3	None Detected-Gray Vinyl Flooring None Detected-Yellow Adhesive None Detected-Brown Laminate Flooring 2% Chrysotile-Green Floor Tile 5% Chrysotile-Black Mastic
011974-087	Window Flashing HA29-1	None Detected-White/Gray Flashing
011974-088	Window Flashing HA29-2	None Detected-White/Gray Flashing
011974-089	Window Flashing HA29-3	None Detected-White/Gray Flashing
011974-090	Window Caulk HA30-1	None Detected-White Caulk
011974-091	Window Caulk HA30-2	None Detected-White Caulk
011974-092	Window Caulk HA30-3	None Detected-White Caulk
011974-093	Layered Flooring HA31-1	None Detected-Black Vinyl Flooring None Detected-Clear Adhesive None Detected-Gray Vinyl Surface None Detected-Off White Backing None Detected-Tan Linoleum Surface None Detected-Gray Backing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011974-094	Layered Flooring HA31-2	None Detected-Black Vinyl Flooring None Detected-Clear Adhesive None Detected-Gray Vinyl Surface None Detected-Off White Backing None Detected-Tan Linoleum Surface None Detected-Gray Backing
011974-095	Layered Flooring HA31-3	None Detected-Black Vinyl Flooring None Detected-Clear Adhesive None Detected-Gray Vinyl Surface None Detected-Off White Backing None Detected-Tan Linoleum Surface None Detected-Gray Backing

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**SCOPE OF THIS REPORT**

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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**STATEMENT OF LABORATORY ACCREDITATION**

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested as received and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Ryan Schwegman

Laboratory Director : Monte Hall, P.G.  
Florida Registration No. 1658

Approved Signatory :

11974

# Asbestos Chain of Custody Record

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Zadway Rev. Co. Public works

Project and/or Job Number: 10101-3023019

Project Address: 1375-32nd ST. Vero Beach

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-12-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
1	1-5	Stucco type / Plaster	NW corner	outside	2,000	D	H	N
1	↓	Type-Painted w/ texture	NE corner	walls	↓	↓	↓	↓
			SW corner	↓				
			SE corner					
2	1-3	Decorative brick	N. side	outside	500	D	H	N
		Painted brown	at BLDG	walls				
			at Awning	ceiling lights				
3	1-3	Silver Paper (ceiling)	backing	A, B, C Inside	25	↓	M	↓
4	1-3	Brick from old fire place	west side of structure	outside	100	↓	H	↓
5	1-3	Textured Painted wall board	N. side of over windows	outside	100	↓	↓	↓
6	1-3	Asphalt Rolled Roofing over wood	Roof	West overhang Roof	300	↓	M	↓
7	1-3	Bl. Flashing on Roof	Stacks	Main Roof	100	↓	L	↓

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-12-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: BC-1

Received By / Date: Paper Seligman 7/12/2023

11974

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023019

Project Address: 1375 - 32nd St. Vero Beach FL

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-12-23 Contact: Be McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pos. Disturb.	Friable Yes/No
8	1-3	Masking tape	Roof	Tv Antenna	10	D	L	N
9	1-3	Shingle Roof	Main Roof	Roof over wood w/pitch	1,000			
10	1-3	Asphalt	Around Structure	East & west outside	1,000		B	
11	1-3	Concrete Pads	North side west side	outside	500			
12	1-3	Sink under coating white	only APT	APTS/structure B has sink w/ coating	75			
13	1-3	Drf wall (Tape/ mud)	w/ A w/ B w/ C	In side	1,000		M	
14	1-3	Plaster walls w/ wood behind wall board	w/ A w/ B w/ C	↓ Face behind walls APT A - ceiling & walls	↓		H	N
15	1-3	Textured wall board			500			

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: Be McKinnis Date: 7-12-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BC-2

Received By / Date: Ryan Schyman 7/12/2023

11974

# Asbestos Chain of Custody Record

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public Works

Project and/or Job Number: 10601-3073019

Project Address: 1375 - 32nd St. Vero Beach FL

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-12-23 Contact: B. M. Harris

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
16	1-3	Bl. Tar Roof Repair	✓	over kitchen	25	D	L	N
17	1-3	Concrete Bath tub w/ Mortar/Paint	✓	APTA Bathrm	100		H	
18	1-3	Grey Linoleum type Floor over yellow Linoleum tile	Floor	APT (A) Kitchen	150			
19	1-3	Light structural glue	✓	APT A- front door-outside (Kitchen)	50		M	
20	1-3	white caulk - Sealing wood	on Living	Floor (closet)	150			
21	1-3	2 layers VFT w/ Yellow & Bl. mastic	Living RM	Floor	150		H	
22	1-3	2 layers VFT w/ mastic hallway	Floor	APT Bath/Bdrm doorways	70			
23	1-3	Tub floor tile & mortar	✓	APT A Bath Rm	50			

C1=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. M. Harris Date: 7-12-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: BA-3

Received By / Date:

Ryan Schupen 7/12/2023

11974

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Fabric Works

Project and/or Job Number: 10101-3023019

Project Address: 1375-32nd St, Vero Beach FL

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-12-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
24	1-3	2 Layers of Flooring		Facade	50		A	N
25	1-3	APT A - Bathroom	Floor	APT A.	200			
26	1-3	2 Layers Flooring	APT A	3 BRM	150			
27	1-3	Kitchen Floor		Linoleum type Floor over wall board	100			
28	1-3	2 Layers Flooring		over wood - APT B	300			
29	1-3	2 Layers Flooring		Linoleum type Floor over wall board	400			
30	1-3	3 Layers Flooring		APT B Floor Living & Dining & Bdrm	1000			
31	1-3	VFT, wall board, Linoleum type window flashing		BDG. East side	500			
		on Rollout windows window caulk on Framing. Rollout		West, East, North South windows				
		3 Layers Flooring		APT-C				

C1-Good, D-Damaged, SD-Significantly Damaged

Sampled By: B. McKinnis Date: 7-12-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG.3

Received By / Date: Ryan Schuyler 7/12/2023



3151 San Bernadino St.  
Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011996
Project :	1385 32nd St, Apts A and B	AT Job No. :	23-11996
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/14/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS)		
	App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		Page 1 of 15

On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-001	Tar Covered Shingles HA1-1	None Detected-Black Tar None Detected-White Coating None Detected-Black Roofing Shingle None Detected-Black Roofing Felt
011996-002	Roofing Shingles HA2-1	None Detected-White Coating None Detected-Black Roofing Shingle None Detected-Black Roofing Felt
011996-003	Roofing Shingles HA2-2	None Detected-White Coating None Detected-Black Roofing Shingle None Detected-Black Roofing Felt
011996-004	Roofing Shingles HA2-3	None Detected-White Coating None Detected-Black Roofing Shingle None Detected-Black Roofing Felt
011996-005	Tar/Gravel Roof HA3-1	None Detected-Gravel None Detected-White Compound Material 5% Chrysotile-Black Tar None Detected-White Coating None Detected-Black Tar None Detected-Black Layered Felts

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Project :	1385 32nd St, Apts A and B	AT Job No. :	23-11996
Client Project No.:	10101-3023019	Report Date :	7/21/2023
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Lab Sample No.	Sample Description / Location	Asbestos Content
011996-006	Tar/Gravel Roof HA3-2	None Detected-Gravel None Detected-White Compound Material 5% Chrysotile-Black Tar None Detected-White Coating None Detected-Black Tar None Detected-Black Layered Felts
011996-007	Tar/Gravel Roof HA3-3	None Detected-Gravel None Detected-White Compound Material 5% Chrysotile-Black Tar None Detected-White Coating None Detected-Black Tar None Detected-Black Layered Felts
011996-008	Gray/White Caulk HA4-1	None Detected-Gray Coating None Detected-White Caulking 5% Chrysotile-Black Tar
011996-009	Gray/White Caulk HA4-2	None Detected-Gray Coating None Detected-White Caulking 5% Chrysotile-Black Tar

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011996-010	Gray/White Caulk HA4-3	None Detected-Gray Coating None Detected-White Caulking 5% Chrysotile-Black Tar
011996-011	Gray Flashing w/ Tar HA5-1	None Detected-Gray Coating None Detected-White Flashing 5% Chrysotile-Black Tar 2% Chrysotile-Silver Coating
011996-012	Gray Flashing w/ Tar HA5-2	None Detected-Gray Coating None Detected-White Flashing 5% Chrysotile-Black Tar 2% Chrysotile-Silver Coating
011996-013	Gray Flashing w/ Tar HA5-3	None Detected-Gray Coating None Detected-White Flashing 5% Chrysotile-Black Tar 2% Chrysotile-Silver Coating
011996-014	Gray/Brown Flashing HA6-1	None Detected-White Coating None Detected-Black Flashing
011996-015	Gray/Brown Flashing HA6-2	None Detected-White Coating None Detected-Black Flashing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-016	Gray/Brown Flashing HA6-3	None Detected-White Coating None Detected-Black Flashing
011996-017	Black Flashing HA7-1	None Detected-Gray Coating 2% Chrysotile-Silver Coating 5% Chrysotile-Black Flashing
011996-018	Black Flashing HA7-2	Not Analyzed
011996-019	Black Flashing HA7-3	Not Analyzed
011996-020	Block HA8-1	None Detected-Tan Brick None Detected-Gray Mortar
011996-021	Block HA8-2	None Detected-Tan Brick None Detected-Gray Mortar
011996-022	Block HA8-3	None Detected-Tan Brick None Detected-Gray Mortar
011996-023	Concrete Pad HA9-1	None Detected-Gray Concrete
011996-024	Concrete Pad HA9-2	None Detected-Gray Concrete

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011996-025	Concrete Pad HA9-3	None Detected-Gray Concrete
011996-026	Wallboard over Wood HA10-1	None Detected-Gray Paint None Detected-Tan Fiberboard
011996-027	Wallboard over Wood HA10-2	None Detected-Gray Paint None Detected-Tan Fiberboard
011996-028	Wallboard over Wood HA10-3	None Detected-Gray Paint None Detected-Tan Fiberboard
011996-029	Skirt Paneling HA11-1	None Detected-Gray Cement Board
011996-030	Skirt Paneling HA11-2	None Detected-Gray Cement Board
011996-031	Skirt Paneling HA11-3	None Detected-Gray Cement Board
011996-032	Ceiling Drywall w/ Rough Texture HA12-1	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-033	Ceiling Drywall w/ Rough Texture HA12-2	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-034	Ceiling Drywall w/ Rough Texture HA12-3	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-035	Peel N Stick Vinyl Type Floor w/ Glue HA13-1	None Detected-Brown Floor Tile None Detected-Tan Glue
011996-036	Peel N Stick Vinyl Type Floor w/ Glue HA13-2	None Detected-Brown Floor Tile None Detected-Tan Glue
011996-037	Peel N Stick Vinyl Type Floor w/ Glue HA13-3	None Detected-Brown Floor Tile None Detected-Tan Glue
011996-038	Drywall w/ Slight Texture HA14-1	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-039	Drywall w/ Slight Texture HA14-2	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-040	Drywall w/ Slight Texture HA14-3	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011996
Project :	1385 32nd St, Apts A and B	AT Job No. :	23-11996
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/14/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-041	Wall Paper w/ Glue HA15-1	None Detected-Brown Wallpaper None Detected-Tan Adhesive
011996-042	Wall Paper w/ Glue HA15-2	None Detected-Brown Wallpaper None Detected-Tan Adhesive
011996-043	Wall Paper w/ Glue HA15-3	None Detected-Brown Wallpaper None Detected-Tan Adhesive
011996-044	2x4 SCT w/ Pinholes/Fissures HA16-1	None Detected-White Ceiling Tile
011996-045	2x4 SCT w/ Pinholes/Fissures HA16-2	None Detected-White Ceiling Tile
011996-046	2x4 SCT w/ Pinholes/Fissures HA16-3	None Detected-White Ceiling Tile
011996-047	2 Layers of Linoleum Type Flooring HA17-1	None Detected-Brown Floor Tile None Detected-Tan Mastic None Detected-Tan Linoleum Surface None Detected-White Backing
011996-048	2 Layers of Linoleum Type Flooring HA17-2	None Detected-Brown Floor Tile None Detected-Tan Mastic None Detected-Tan Linoleum Surface None Detected-White Backing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Client :	Nova	Lab Set No. :	011996
Project :	1385 32nd St, Apts A and B	AT Job No. :	23-11996
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/14/2023
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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-049	2 Layers of Linoleum Type Flooring HA17-3	None Detected-Brown Floor Tile None Detected-Tan Mastic None Detected-Tan Linoleum Surface None Detected-White Backing
011996-050	Tan Counter Caulk HA18-1	None Detected-Tan Caulk
011996-051	Tan Counter Caulk HA18-2	None Detected-Tan Caulk
011996-052	Tan Counter Caulk HA18-3	None Detected-Tan Caulk
011996-053	Plaster behind Drywall/SCT HA19-1	None Detected-White Plaster None Detected-Gray Plaster
011996-054	Plaster behind Drywall/SCT HA19-2	2% Chrysotile-White Surfacing w/ Paint None Detected-White Plaster None Detected-Gray Plaster
011996-055	Plaster behind Drywall/SCT HA19-3	None Detected-White Plaster None Detected-Gray Plaster
011996-056	Plaster behind Drywall/SCT HA20-1	None Detected-White Plaster None Detected-Gray Plaster

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011996-057	Plaster behind Drywall/SCT HA20-2	None Detected-White Plaster None Detected-Gray Plaster
011996-058	Plaster behind Drywall/SCT HA20-3	None Detected-White Plaster None Detected-Gray Plaster
011996-059	Brown Painted Textured Drywall HA21-1	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-060	Brown Painted Textured Drywall HA21-2	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-061	Brown Painted Textured Drywall HA21-3	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-062	Rough Textured Wallboard Ceiling HA22-1	2% Chrysotile-White Texture w/ Paint
011996-063	Rough Textured Wallboard Ceiling HA22-2	Not Analyzed
011996-064	Rough Textured Wallboard Ceiling HA22-3	Not Analyzed

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Client Project No.:	10101-3023019	Report Date :	7/21/2023
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Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-065	White/Tan Smooth Textured Drywall HA23-1	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-066	White/Tan Smooth Textured Drywall HA23-2	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-067	White/Tan Smooth Textured Drywall HA23-3	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011996-068	Lt Brown Vinyl Covered Wallboard HA24-1	None Detected-Tan Coating None Detected-Tan Fiberboard
011996-069	Lt Brown Vinyl Covered Wallboard HA24-2	None Detected-Tan Coating None Detected-Tan Fiberboard
011996-070	Lt Brown Vinyl Covered Wallboard HA24-3	None Detected-Tan Coating None Detected-Tan Fiberboard
011996-071	Counter Caulk HA25-1	None Detected-White Caulking
011996-072	Counter Caulk HA25-2	None Detected-White Caulking

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client : Nova Lab Set No. : 011996  
 Project : 1385 32nd St, Apts A and B AT Job No. : 23-11996  
 Client Project No.: 10101-3023019 Report Date : 7/21/2023  
 Identification : Asbestos, Bulk Sample Analysis Sample Date : 7/14/2023  
 Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)  
 App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116

On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-073	Counter Caulk HA25-3	None Detected-White Caulking
011996-074	Counter Top w/ Glue HA26-1	None Detected-Yellow Counter Top None Detected-Yellow Adhesive
011996-075	Counter Top w/ Glue HA26-2	None Detected-Yellow Counter Top None Detected-Yellow Adhesive
011996-076	Counter Top w/ Glue HA26-3	None Detected-Yellow Counter Top None Detected-Yellow Adhesive
011996-077	Black Sink Coating HA27-1	None Detected-Black Sink Coating
011996-078	Black Sink Coating HA27-2	None Detected-Black Sink Coating
011996-079	Black Sink Coating HA27-3	None Detected-Black Sink Coating
011996-080	Smooth Brown Wallboard Walls HA28-1	None Detected-White Coating None Detected-Tan Fiberboard
011996-081	Smooth Brown Wallboard Walls HA28-2	None Detected-White Coating None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Project :	1385 32nd St, Apts A and B	AT Job No. :	23-11996
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/14/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-082	Smooth Brown Wallboard Walls HA28-3	None Detected-White Coating None Detected-Tan Fiberboard
011996-083	Silver Paper w/ Yellow Insulation HA29-1	None Detected-Silver/Tan Wrap None Detected-Black Coating None Detected-Yellow Glass Insulation
011996-084	Silver Paper w/ Yellow Insulation HA29-2	None Detected-Silver/Tan Wrap None Detected-Black Coating None Detected-Yellow Glass Insulation
011996-085	Silver Paper w/ Yellow Insulation HA29-3	None Detected-Silver/Tan Wrap None Detected-Black Coating None Detected-Yellow Glass Insulation
011996-086	Peel N Stick Flooring over Wood HA30-1	None Detected-Brown Floor Tile None Detected-Yellow Mastic
011996-087	Peel N Stick Flooring over Wood HA30-2	None Detected-Brown Floor Tile None Detected-Yellow Mastic
011996-088	Peel N Stick Flooring over Wood HA30-3	None Detected-Brown Floor Tile None Detected-Yellow Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/14/2023
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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-089	Black Window Flashing HA31-1	None Detected-Black Flashing
011996-090	Black Window Flashing HA31-2	None Detected-Black Flashing
011996-091	Black Window Flashing HA31-3	None Detected-Black Flashing
011996-092	Window around Glass HA32-1	None Detected-White Caulking
011996-093	Window around Glass HA32-2	None Detected-White Caulking
011996-094	Window around Glass HA32-3	None Detected-White Caulking
011996-095	Tan Window Caulk HA33-1	None Detected-Gray/White Caulk None Detected-Tan Wood
011996-096	Tan Window Caulk HA33-2	None Detected-Gray/White Caulk None Detected-Tan Wood
011996-097	Tan Window Caulk HA33-3	None Detected-Gray/White Caulk None Detected-Tan Wood
011996-098	Duct Tape HA34-1	None Detected-Gray Duct Tape
011996-099	Duct Tape HA34-2	None Detected-Gray Duct Tape

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, one hundred (100) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011996-100	Duct Tape HA34-3	None Detected-Gray Duct Tape

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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**SCOPE OF THIS REPORT**

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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**STATEMENT OF LABORATORY ACCREDITATION**

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested as received and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Ryan Schwegman

Laboratory Director : Monte Hall, P.G.  
Florida Registration No. 1658

Approved Signatory :

11996

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-14-23 Contact: B. McKinley  
 Phone: 813-267-6044 FAX:   
 Email: LABREPORTSENV@USANOVA.COM

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023 019 APT'S A+B

Project Address: 1385 - 32nd ST. Vero Beach FL.

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Frangible Yes/No
1	1-1	Tar covered shingles on Roof Pitch	✓	Both A+B Roof Pitch - slope inward	800	D	L	N
2	1-3	Roofing shingles outside Pitch	✓	Both A+B slope out.	800			
3	1-3	Tar & gravel Roof	✓	CTR Plateau between Pitches	600			
4	1-3	G-rat & white caulk	✓	Roof Seams under eaves	100			
5	1-3	G-rat Flashing w/ Tar	✓	Front eaves of APT-A	25			
6	1-3	G-rat / brown Flashing on stacks	✓	Roof overhangs both APT'S	50			
7	1-3	Bl. Flashing on stacks & overhangs	✓	↓	100			
8	1-3	Block from CTR of structure	✓	Front & Rear w/ mortar	500		A	

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinley Date: 7-14-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-1

Received By / Date: Ryan Seligman 7/18/2023

119916

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner Indian River Co. Public Works

Project and/or Job Number: 10101-3023019 APT's A & B

Project Address: 1385-32nd ST. Vero Beach FL

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-14-23 Contact: B. McKunes

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Frangible Yes/No
9	1-3	Concrete Pad front door	2 Rear	APT #A	50	D	H	N
10	1-3	Wall board over wood. Painted	APT-A APT A APT B	APT A South side East side South side	1,000			
11	1-3	Skirt Paneling around BLDG	BATH A & B	Possible transite	1,000			
12	1-3	Ceiling DRYWALL w/ Rough texture		Bedroom APT-A	500		M	Y
13	1-3	Peel n stick vinyl type floor w/ floor		Living RM Kitchen	200		H	N
14	1-3	DRYWALL w/ slight texture		APT-A BedRM	700			Y
15	1-3	wall Paper w/ glue behind some DRYWALL		APT A Kitchen Bath Living	200		M	N
16	1-3	SCOT 2X4 w/ Pinholes and fissures		Kitchen Living	700			Y

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKunes Date: 7-14-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-2

Received By / Date: Ryan Schuyler 7/18/2023

11996

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public Works

Project and/or Job Number: 10101-3023019 APTS A & B

Project Address: 1385-32nd Street Vero Beach FL

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-14-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
17	1-3	2 layers of linoleum type flooring	In BDRM	APT A	200	D	H	N
18	1-3	Tan counter caulk	/	Kitchen at sink	50	/	/	/
19	1-3	Plaster behind dry wall / set	/	APT A - Living Kitchen Bath - above ceiling	200	/	M	/
20	1-3	Plaster behind dry wall / set	/	APT - B - Living Kitchen BDRM	400	/	/	Y
21	1-3	Brown Painted textured dry wall	/	APT - B Bedroom	200	/	H	V
22	1-3	Rough textured wall board - ceiling	/	↓	200	/	Y	/
23	1-3	white tan smooth textured dry wall	/	↓	200	/	/	/
24	1-3	Light brown vinyl covered wall board	/	APT B - Living/ Kitchen walls	200	/	H	/

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: Br M Ghini Date: 7-14-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: BG-2

Received By / Date:

Ryan Seligson 7/18/2023



11996

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public Works

Project and/or Job Number: 10101-3023019 APT's A & B

Project Address: 1385-32nd St. Vero Beach FL

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-14-23 Contact: B. McGinnes

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
25	1-3	counter caulk	✓	Kitchen APT B	100	D	M	N
26	1-3	counter top w/ glue	✓	↓	↓	↓	↓	↓
27	1-3	Bl. Sink coating	✓	↓	10	↓	↓	↓
28	1-3	Smooth brown wall board ceiling	✓	Kitchen & Living	200	↓	H	↓
29	1-3	Silver paper w/ yellow insulation	✓	Bedroom East wall	100	↓	M	↓
30	1-3	Peet Ustik Flooring over wood	✓	APT B Floors Living/Bath/Bedrm	400	↓	H	↓

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McGinnes Date: 7-14-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: B.G. 2

Received By / Date:

Paper Seligman 7/18/2023





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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011997
Project :	1385 32nd St, Apts C and D	AT Job No. :	23-11997
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

Page 1 of 8

On 7/18/2023, forty-eight (48) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011997-001	Crack Filler in Concrete HA1-1	None Detected-Gray Crack Filler
011997-002	Crack Filler in Concrete HA1-2	None Detected-Gray Crack Filler
011997-003	Crack Filler in Concrete HA1-3	None Detected-Gray Crack Filler
011997-004	Concrete Painted Blue HA2-1	None Detected-Gray Concrete w/ Paint
011997-005	Concrete Painted Blue HA2-2	None Detected-Gray Concrete w/ Paint
011997-006	Concrete Painted Blue HA2-3	None Detected-Gray Concrete w/ Paint
011997-007	Black Tar Paper HA3-1	None Detected-Black Tar Felt
011997-008	Black Tar Paper HA3-2	None Detected-Black Tar Felt
011997-009	Black Tar Paper HA3-3	None Detected-Black Tar Felt
011997-010	Silver Tape HA4-1	None Detected-Silver Foil None Detected-Yellow Adhesive
011997-011	Silver Tape HA4-2	None Detected-Silver Foil None Detected-Yellow Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011997-012	Silver Tape HA4-3	None Detected-Silver Foil None Detected-Yellow Adhesive
011997-013	Wall Insulation w/ Paper/Black Backing HA5-1	None Detected-Pink Glass Insulation None Detected-Black Coating None Detected-Brown Paper Backing
011997-014	Wall Insulation w/ Paper/Black Backing HA5-2	None Detected-Pink Glass Insulation None Detected-Black Coating None Detected-Brown Paper Backing
011997-015	Wall Insulation w/ Paper/Black Backing HA5-3	None Detected-Pink Glass Insulation None Detected-Black Coating None Detected-Brown Paper Backing
011997-016	Textured Ceiling Drywall w/ Insulation HA6-1	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material None Detected-Pink Glass Insulation
011997-017	Textured Ceiling Drywall w/ Insulation HA6-2	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material None Detected-Pink Glass Insulation

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, forty-eight (48) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011997-018	Textured Ceiling Drywall w/ Insulation HA6-3	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material None Detected-Pink Glass Insulation
011997-019	Smooth Drywall HA7-1	None Detected-White Surfacing w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-020	Smooth Drywall HA7-2	None Detected-White Surfacing w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-021	Smooth Drywall HA7-3	None Detected-White Surfacing w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-022	Painted Wallboard HA8-1	None Detected-Gray Paint None Detected-Tan Fiberboard
011997-023	Painted Wallboard HA8-2	None Detected-Gray Paint None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, forty-eight (48) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011997-024	Painted Wallboard HA8-3	None Detected-Gray Paint None Detected-Tan Fiberboard
011997-025	Lower Wall Siding HA9-1	None Detected-Gray Cement Board
011997-026	Lower Wall Siding HA9-2	None Detected-Gray Cement Board
011997-027	Lower Wall Siding HA9-3	None Detected-Gray Cement Board
011997-028	Upper Wall Siding HA10-1	None Detected-Gray Cement Board
011997-029	Upper Wall Siding HA10-2	None Detected-Gray Cement Board
011997-030	Upper Wall Siding HA10-3	None Detected-Gray Cement Board
011997-031	Pink Wall Insulation HA11-1	None Detected-Pink Glass Insulation
011997-032	Pink Wall Insulation HA11-2	None Detected-Pink Glass Insulation
011997-033	Pink Wall Insulation HA11-3	None Detected-Pink Glass Insulation
011997-034	White VFT w/ Black/Yellow Mastic HA12-1	None Detected-Gray/Blue Floor Tile None Detected-Black Backing None Detected-Yellow Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011997
Project :	1385 32nd St, Apts C and D	AT Job No. :	23-11997
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

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On 7/18/2023, forty-eight (48) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011997-035	White VFT w/ Black/Yellow Mastic HA12-2	None Detected-Gray/Blue Floor Tile None Detected-Black Backing None Detected-Yellow Adhesive
011997-036	White VFT w/ Black/Yellow Mastic HA12-3	None Detected-Gray/Blue Floor Tile None Detected-Black Backing None Detected-Yellow Adhesive
011997-037	Lt Brown Painted Drywall HA13-1	None Detected-Brown Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-038	Lt Brown Painted Drywall HA13-2	None Detected-Brown Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-039	Lt Brown Painted Drywall HA13-3	None Detected-Brown Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-040	Rough Textured Ceiling Drywall HA14-1	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, forty-eight (48) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011997-041	Rough Textured Ceiling Drywall HA14-2	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-042	Rough Textured Ceiling Drywall HA14-3	None Detected-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-043	Swirl Textured Ceiling Drywall HA15-1	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-044	Swirl Textured Ceiling Drywall HA15-2	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-045	Swirl Textured Ceiling Drywall HA15-3	None Detected-White Texture None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011997-046	White Bonding on Drywall HA16-1	None Detected-White Bonding
011997-047	White Bonding on Drywall HA16-2	None Detected-White Bonding

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011997-048	White Bonding on Drywall HA16-3	None Detected-White Bonding

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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**SCOPE OF THIS REPORT**

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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**STATEMENT OF LABORATORY ACCREDITATION**

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested as received and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Ryan Schwegman

Laboratory Director : Monte Hall, P.G.  
Florida Registration No. 1658

Approved Signatory :

11997

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email

Client / Owner: Fudaya Revuey Co. Public works

Project and/or Job Number: 10101-3023019

Project Address: 1385 32nd ST. Varo Beach APT's C & D

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. Mckinnis

Phone: 813-267-6044 FAX:

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
1	1-3	Crack fill-in	APT-C	Floor	10	S	H	N
2	1-3	Concrete	APT-C	Floor	400			
3	1-3	Concrete - Painted Blue	APT-C	Floor	10			
4	1-3	Blue Tap Paper off Water Heater	Shared BFC&D	Shed	5			
5	1-3	Silver tape on Water Heater Stack	↓	↓	400			
6	1-3	Wall Insulation w/ Paper / Blue backing	APT-C	Inside	400			
7	1-3	Textured Ceiling	Insulation	APT-C ceiling	400			
8	1-3	Dry wall w/ Insulation	APT-C	walls Inside	↓			
9	1-3	Smooth Dry wall	APT-C	Outside over wood	↓		H	N

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. M. McKinnis Date: 7-17-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: BG-1

Received By / Date:

Ryan Seligman 7/18/2023

11997

# Asbestos Chain of Custody Record

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River CO. Public Works

Project and/or Job Number: 1001-3023019

Project Address: 1385 - 3rd St. Vero Beach APTS CD

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
9	1-3	Lower wall siding	APTS CD	out side wall	500	D	H	N
10	1-3	upper wall siding	↓	↓	500			
11	1-3	wall Insulation Pink	APT-D	Inside	400		M	
12	1-3	white w/ Blue diamond shape	APT-D	FT w/ Bl. mastic Yellow mastic Bath - APT-D	50		H	
13	1-3	Light brown painted Drt wall	APT-D	Inside	400			
14	1-3	Rough textured Ceiling Drt wall	APT-D	Inside Kitchen/Living RM	400			
15	1-3	Swirl textured Ceiling Drt wall	↓	Inside BedRM Bath	200			
16	1-3	White Bonding on Drt wall Inside	walls - CD	↓	300			

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: 30-1

Received By / Date: Ryan Seligman 7/18/2023



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Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-001	Siding Patch Glue HA17-1	None Detected-White Glue
011998-002	Siding Patch Glue HA17-2	None Detected-White Glue
011998-003	Siding Patch Glue HA17-3	None Detected-White Glue
011998-004	Counter Top Caulk HA18-1	None Detected-White Caulk
011998-005	Counter Top Caulk HA18-2	None Detected-White Caulk
011998-006	Counter Top Caulk HA18-3	None Detected-White Caulk
011998-007	Lt Gray Plaster w/ Paint HA19-1	None Detected-Gray Plaster
011998-008	Lt Gray Plaster w/ Paint HA19-2	None Detected-Gray Plaster
011998-009	Lt Gray Plaster w/ Paint HA19-3	None Detected-Gray Plaster
011998-010	Lt Gray Plaster w/ Paint HA19-4	None Detected-Red Texture w/ Paint None Detected-Gray Plaster
011998-011	Lt Gray Plaster w/ Paint HA19-5	None Detected-Red Texture w/ Paint None Detected-Gray Plaster

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-012	Lt Gray Plaster w/ Paint HA19-6	None Detected-Gray Plaster
011998-013	Lt Gray Plaster w/ Paint HA19-7	None Detected-Red Texture w/ Paint None Detected-Gray Plaster
011998-014	Dk Gray Plaster w/ Paint HA20-1	None Detected-Gray Plaster w/ Paint
011998-015	Dk Gray Plaster w/ Paint HA20-2	None Detected-Gray Plaster w/ Paint
011998-016	Dk Gray Plaster w/ Paint HA20-3	None Detected-Gray Plaster w/ Paint
011998-017	Dk Gray Plaster w/ Paint HA20-4	None Detected-Gray Plaster w/ Paint
011998-018	Dk Gray Plaster w/ Paint HA20-5	None Detected-Gray Plaster w/ Paint
011998-019	Dk Gray Plaster w/ Paint HA20-6	None Detected-Gray Plaster w/ Paint
011998-020	Dk Gray Plaster w/ Paint HA20-7	None Detected-Gray Plaster w/ Paint
011998-021	Wallboard Painted Walls HA21-1	None Detected-Gray Paint None Detected-Tan Fiberboard
011998-022	Wallboard Painted Walls HA21-2	None Detected-Gray Paint None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-023	Wallboard Painted Walls HA21-3	None Detected-Gray Paint None Detected-Tan Fiberboard
011998-024	Window Seal Caulk HA22-1	None Detected-Clear/Gray Caulk
011998-025	Window Seal Caulk HA22-2	None Detected-Clear/Gray Caulk
011998-026	Window Seal Caulk HA22-3	None Detected-Clear/Gray Caulk
011998-027	Dk Gray Crack Filler HA23-1	None Detected-Gray/White Filler
011998-028	Dk Gray Crack Filler HA23-2	None Detected-Gray/White Filler
011998-029	Dk Gray Crack Filler HA23-3	None Detected-Gray/White Filler
011998-030	Red Brick Painted Brown HA24-1	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic
011998-031	Red Brick Painted Brown HA24-2	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-032	Red Brick Painted Brown HA24-3	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic
011998-033	Lower Siding on Bldg HA25-1	None Detected-Gray Cement Board
011998-034	Lower Siding on Bldg HA25-2	None Detected-Gray Cement Board
011998-035	Lower Siding on Bldg HA25-3	None Detected-Gray Cement Board
011998-036	Stucco Patch HA26-1	None Detected-Gray Stucco w/ Paint
011998-037	Stucco Patch HA26-2	None Detected-Gray Stucco w/ Paint
011998-038	Stucco Patch HA26-3	None Detected-Gray Stucco w/ Paint
011998-039	Shingle Roof HA27-1	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt
011998-040	Shingle Roof HA27-2	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-041	Shingle Roof HA27-3	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt
011998-042	Gravel Roof HA28-1	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-043	Gravel Roof HA28-2	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-044	Gravel Roof HA28-3	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-045	Asphalt Roof Patch over Tar/Gravel HA29-1	None Detected-Black Roof Membrane None Detected-Black Tar 2% Chrysotile-Silver Coating Material
011998-046	Asphalt Roof Patch over Tar/Gravel HA29-2	None Detected-Black Roof Membrane None Detected-Black Tar

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-047	Asphalt Roof Patch over Tar/Gravel HA29-3	None Detected-Black Roof Membrane None Detected-Black Tar
011998-048	Black Tar over Seams HA30-1	None Detected-Black Tar 2% Chrysotile-Silver Coating Material
011998-049	Black Tar over Seams HA30-2	None Detected-Black Tar
011998-050	Black Tar over Seams HA30-3	None Detected-Black Tar
011998-051	Roof Seam Pitch HA31-1	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam
011998-052	Roof Seam Pitch HA31-2	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam
011998-053	Roof Seam Pitch HA31-3	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-054	Gray under Metal Roof HA32-1	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-055	Gray under Metal Roof HA32-2	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-056	Gray under Metal Roof HA32-3	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-057	Black Roof Flashing HA33-1	5% Chrysotile-Black Flashing 2% Chrysotile-Silver Coating
011998-058	Black Roof Flashing HA33-2	Not Analyzed
011998-059	Black Roof Flashing HA33-3	Not Analyzed
011998-060	White/Gray Flashing HA34-1	None Detected-Gray Flashing None Detected-White Flashing
011998-061	White/Gray Flashing HA34-2	None Detected-Gray Flashing None Detected-White Flashing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	7/21/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-062	White/Gray Flashing HA34-3	None Detected-Gray Flashing None Detected-White Flashing
011998-063	White Flashing HA35-1	None Detected-White/Gray Flashing
011998-064	White Flashing HA35-2	None Detected-White/Gray Flashing
011998-065	White Flashing HA35-3	None Detected-White/Gray Flashing
011998-066	Black Pitch on Parapit HA36-1	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-067	Black Pitch on Parapit HA36-2	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-068	Black Pitch on Parapit HA36-3	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-069	Black Flashing HA37-1	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-070	Black Flashing HA37-2	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-071	Black Flashing HA37-3	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-072	Drywall Smooth Surface HA38-1	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-073	Drywall Smooth Surface HA38-2	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-074	Drywall Smooth Surface HA38-3	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-075	Drywall Smooth Surface HA38-4	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-076	Drywall Smooth Surface HA38-5	2% Chrysotile-White Surfacing w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-077	2 Layers Flooring HA39-1	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-078	2 Layers Flooring HA39-2	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.
011998-079	2 Layers Flooring HA39-3	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.
011998-080	SCT w/ Fissures/Pinholes HA40-1	None Detected-White Ceiling Tile
011998-081	SCT w/ Fissures/Pinholes HA40-2	None Detected-White Ceiling Tile
011998-082	SCT w/ Fissures/Pinholes HA40-3	None Detected-White Ceiling Tile
011998-083	Textured Drywall HA41-1	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-084	Textured Drywall HA41-2	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-085	Textured Drywall HA41-3	2% Chrysotile-White Texture w/ Paint None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-086	Brown VFT w/ Mastic HA42-1	2% Chrysotile-Brown Floor Tile 5% Chrysotile-Black Mastic
011998-087	Brown VFT w/ Mastic HA42-2	Not Analyzed
011998-088	Brown VFT w/ Mastic HA42-3	Not Analyzed
011998-089	Green VFT w/ Mastic HA43-1	None Detected-Green Floor Tile None Detected-Clear Adhesive
011998-090	Green VFT w/ Mastic HA43-2	None Detected-Green Floor Tile None Detected-Clear Adhesive
011998-091	Green VFT w/ Mastic HA43-3	None Detected-Green Floor Tile None Detected-Clear Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-092	Brown Peel N Stick Flooring w/ Glue HA44-1	None Detected-Brown Floor Tile None Detected-Clear Adhesive
011998-093	Brown Peel N Stick Flooring w/ Glue HA44-2	None Detected-Brown Floor Tile None Detected-Clear Adhesive
011998-094	Brown Peel N Stick Flooring w/ Glue HA44-3	None Detected-Brown Floor Tile None Detected-Clear Adhesive
011998-095	Gray Plaster HA45-1	None Detected-White Plaster w/ Paint None Detected-Gray Plaster None Detected-Black Mastic
011998-096	Gray Plaster HA45-2	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-097	Gray Plaster HA45-3	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-098	Gray Plaster HA45-4	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-099	Gray Plaster HA45-5	None Detected-White Plaster w/ Paint None Detected-Gray Plaster

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-100	Black Vinyl Baseboards w/ Glue HA46-1	None Detected-Black Baseboard None Detected-Yellow Glue
011998-101	Black Vinyl Baseboards w/ Glue HA46-2	None Detected-Black Baseboard None Detected-Yellow Glue
011998-102	Black Vinyl Baseboards w/ Glue HA46-3	None Detected-Black Baseboard None Detected-Yellow Glue
011998-103	HVAC Duct/Insulation HA47-1	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-104	HVAC Duct/Insulation HA47-2	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-105	HVAC Duct/Insulation HA47-3	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-106	Silver Tape HA48-1	None Detected-Silver Foil None Detected-Yellow Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-107	Silver Tape HA48-2	None Detected-Silver Foil None Detected-Yellow Adhesive
011998-108	Silver Tape HA48-3	None Detected-Silver Foil None Detected-Yellow Adhesive
011998-109	2 Layers VFT w/ Leveling Compound HA49-1	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-110	2 Layers VFT w/ Leveling Compound HA49-2	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-111	2 Layers VFT w/ Leveling Compound HA49-3	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-112	Office Insulation Silver Backing Foam HA50-1	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-113	Office Insulation Silver Backing Foam HA50-2	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing
011998-114	Office Insulation Silver Backing Foam HA50-3	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing
011998-115	Black Paneling w/ Glue HA51-1	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-116	Black Paneling w/ Glue HA51-2	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-117	Black Paneling w/ Glue HA51-3	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-118	VFT w/ Leveling Compound HA52-1	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-119	VFT w/ Leveling Compound HA52-2	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound
011998-120	VFT w/ Leveling Compound HA52-3	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound
011998-121	Wall Paper HA53-1	None Detected-White Coating None Detected-Brown Wood Panel
011998-122	Wall Paper HA53-2	None Detected-White Coating None Detected-Brown Wood Panel
011998-123	Wall Paper HA53-3	None Detected-White Coating None Detected-Brown Wood Panel
011998-124	White Wallboard HA54-1	None Detected-White Coating None Detected-Brown Fiberboard
011998-125	White Wallboard HA54-2	None Detected-White Coating None Detected-Brown Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-126	White Wallboard HA54-3	None Detected-White Coating None Detected-Brown Fiberboard
011998-127	Caulk HA55-1	None Detected-White Caulk
011998-128	Caulk HA55-2	None Detected-White Caulk
011998-129	Caulk HA55-3	None Detected-White Caulk
011998-130	Wallboard HA56-1	None Detected-Tan Fiberboard
011998-131	Wallboard HA56-2	None Detected-Tan Fiberboard
011998-132	Wallboard HA56-3	None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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### SCOPE OF THIS REPORT

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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### STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested as received and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Ryan Schwegman

Laboratory Director : Monte Hall, P.G.  
Florida Registration No. 1658

Approved Signatory :

119918

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City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023-019

Project Address: 3136-3146 W.3 | Vero Beach FL

Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX:

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
17	1-3	APT. D - Siding Patch glue	Alexandria Patched Patch 1785-32nd St.	patch metal w/ glue glue only here	10	D	M	✓
18	1-3	counter top concrete	APT. B & C 1385	Kitchen / Bath	100	D	H	✓
19	1-7	light gray Plaster w/paint	3136 - N 3136 - E 3136 NW 3146 East 3146 South 3146 SE corner 3146 West	Around BLDG Main - over Block	10,000	D	H	✓
19	↓	↓	↓	↓	↓	↓	↓	↓
19	↓	↓	↓	↓	↓	↓	↓	↓
20	1-7	Dark Gray w/ Paint Plaster	3136 East middle 3136 SW corner 3146 SW corner 3136 Front Loop 3146 / 3136 3146 S.M. side 3146 Front SEW	East middle SW corner SW corner Front Loop Roll doors area	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓	↓	↓	↓

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: B.G.D

Received By / Date:

Man. Seligman 7/18/2023



119918

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023019

Project Address: 3136-3146 U.S-1 Vero Beach

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
21	1-3	wall board Painted	Front Row North side	Main BLDG	5,000 <del>10,000</del>	D	M	N
22	1-3	walls around BLDG window Seal Caulk	On Rear window - around glass		200			
23	1-3	Dark gret Crack Filler	on Siding wall - out	main BLDG Rear Mainly of BLDG	500			
24	1-3	Brick (Red) Painted brown	Front Rear North side	Main BLDG	5,000		H	
25	1-3	lower siding on BLDG	Rear of Rollup Doors North side BLDG near ATIS South end near ATIS		↓			
26	1-3	Stucco Patch Along bottom of wall	W/Paint South side of Main BLDG	3146	500			

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: 30-2

Received By / Date: Ryan Sulymur 7/18/2023

11998

**Asbestos Chain of Custody Record**

Company NOVA ENGINEERING & ENVIRONMENTAL  
 Address 4524 Oak Fair Boulevard, Suite 200  
 City / State / Zip Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_  
 Client / Owner: Indian River Co. Public Works  
 Project and/or Job Number: 10101-3023019  
 Project Address: 3136-3146 US 1 Vero Bch

Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKinnis  
 Phone: 813-267-6044 FAX: \_\_\_\_\_  
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
27	1-3	Shingle Roof, North Pitch over Gravel Roof	1385 APTS	e sheds,	1,000	D	L	X
28	1-3	between metal Pitch	Roofs - over	hang - front	1,000			
29	1-3	Asphalt Roof Patch over tar & gravel	Roof - Southern side	between pitches	metal 200			
30	1-3	Bl. Tar over Seams, Roof corners	Roofs & Patches					
31	1-3	Root Seem Patch at Bottom of metal	Pitch Roofs - between Pitches	w/ foam	1,000			
32	1-3	Gravel under metal Roof at Seem	Patch		50			
33	1-3	Bl. Root Flashing on Stacks - white/grey Flashing on Stacks - N. Side	Metal Roofs	over eave & stack base.	200			
34	1-3	On Stacks - N. Side	Shingle Roof, over APTS		50			

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-3

Received By / Date: Ryan Seligman 7/18/2023

11998

**NOVA ENGINEERING & ENVIRONMENTAL**  
 4524 Oak Fair Boulevard, Suite 200  
 Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545  
 Client / Owner: Jadean Rev Co. Public Works  
 Project and/or Job Number: 10101-3023-019  
 Project Address: 3136-3146 U.S. 1 Vero Beach

**Asbestos Chain of Custody Record**  
 Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKinnis  
 Phone: 813-267-6044 FAX:   
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
35	1-3	white Flashing under metal roof	at Seams	Metal Roofs Main BLDG.	2,000	D	L	N
36	1-3	Bl. pitch on Paraph		Front Eves of Main BLDG	500			
37	1-3	Textured			1,000			
38	1-5	Bl. Flashing at South BLDG. Metal Drt wall, smooth surface	Seams at inside with E main BLDG (above it) Wall near CTR RM Main office South wall	gravel Roof (above it) main BLDG (N. stop)	5,000		M	
38	↓			South RM wall	↓			
39	1-3	2 layers Floor- CTR Bath RM	Linoeum TRM floor over V.FT		50		H	N
40	1-3	ScT w/ fissures & pin holes 2x4	CTR Main South ATT.	BLDG.	700		M	
41	1-3	Textured Drt wall	South with E-main RM BLDG. South wall & ceiling		1,000			

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-4

Received By / Date: Piper Scheyen 7/18/2023

11998

**NOVA ENGINEERING & ENVIRONMENTAL**  
 4524 Oak Fair Boulevard, Suite 200  
 Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545  
 Client/Owner: Tadon River Co. Public works  
 Project and/or Job Number: 10101-3023019  
 Project Address: 33693146 US Fvero Bch

**Asbestos Chain of Custody Record**  
 Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKeane  
 Phone: 813-267-6044 FAX:  
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
42	1-3	Brown VFT w/ mastic	X	South WHSE Bathroom	50	D	H	N
43	1-3	Green VFT w/ mastic	X	3534 APT Bathroom	50	D	H	N
44	1-3	Brown Peel n stick Flooring w/ glue	X	Back Roomy Living/Kitchen	200	D	H	N
45	1-5	Great Plaster		Main South Bath-CTR main Front	5000	D	H	N
				South WHSE wall CTR. E. wall Front Room				
46	1-3	Blue vinyl baseboards w/ glue		door and stock RM	500	D	H	N
47	1-3	HVAC Duct (Bot) and Insulation		only unit w/ HVAC ART. unit stripped down	100	D	M	N
48	1-3	Silver Tape to seal Insulation edges		main CTR WHSE	500	D	H	N

G=Good, D=Damaged, SD=Significantly Damaged

Received By / Date:  
Ryan Schlyer 7/18/2023

Sampled By: B. McKeane Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-4

119098

# Asbestos Chain of Custody Record

Company NOVA ENGINEERING & ENVIRONMENTAL  
 Address 4524 Oak Fair Boulevard, Suite 200  
 City / State / Zip Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_  
 Client / Owner: Indrean Rivers Co. Public Works  
 Project and/or Job Number: 6061-3023019  
 Project Address: 3136 W.S. 1 Vero Beach

Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKinnis  
 Phone: 813-267-6044 FAX: \_\_\_\_\_  
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
49	1-3	2 layers VFT w/ Leveling compound	✓	Small office area north office section w/ safe	100	D	H	N
50	1-3	OFFICE Insulation silver backing foam	✓	walls and ceiling in office - south part of office	100			
51	1-3	Behind wood wall Paneling - glue w/ wood	✓	whole office walls - n. & s. west offices	200			
52	1-3	VFT w/ leveling compound	✓	office floor - south office	100			
53	1-3	wall paper - <del>over</del>	APT 3134 Front living rm	living rm and kitchen area walls	200			
54	1-3	W. Wall board white - w/ dis Plat	holes for hanging	Product - Front central w/HSE	500			
55	1-3	Caulking around wall board	wall board	Front central	500			
56	1-3	wall board - work shop walls	Rear ctr w/HSE	W/HSE - Show room near office	500			
				At center roll up door	500			

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG.S  
 Received By / Date: Ryan Seligman 7/18/2023

**APPENDIX D**  
Qualifications of Conclusions

## QUALIFICATIONS OF RECOMMENDATIONS

The findings, conclusions and/or recommendations presented in this report represent our professional opinions concerning the environmental conditions at the site. The opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at later dates or at locations not investigated. The opinions included herein are based on information provided to us, the data obtained at the specific time of the investigation, and our experience with similar sites.

Should conditions or events change, NOVA should be retained to evaluate those changes and their impact to the subject site.

This report is intended for the sole use of **Indian River County Public Works Department** only. The scope of work performed for this study was prepared for **Indian River County Public Works Department** based on the applicable ASTM standard. Use of this report or the findings, conclusions and/or recommendations by others will be at the sole risk of the user. NOVA is not responsible or liable for the interpretation by others of the data in this report, nor their conclusions, recommendations or opinions.

Our professional services have been performed, our findings obtained, our conclusions derived, and our recommendations prepared in accordance with generally accepted environmental assessment principles and practices in the industry.

# **APPENDIX E**

## Certifications



United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2017

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NVLAP LAB CODE: 200703-0

**Arrowhead Technologies, L.L.C.**  
Clearwater, FL

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

## Asbestos Fiber Analysis

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

2023-01-01 through 2023-12-31  
Effective Dates



A handwritten signature in black ink, appearing to read 'John S. Lamm', written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program



CHC Training  
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303.412.6360  
855.60.CERTIFY

1775 W. 55th Avenue  
Denver, Colorado 80221  
United States of America

# CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

## JAMEY COTE

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training provided in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C) and AHERA of the Toxic Substances Control Act (TSCA) entitled:

### BUILDING INSPECTOR

COURSE COMPLETION:	JULY 10, 2023
EXAMINATION DATE:	JULY 10, 2023
EXPIRATION DATE:	JULY 10, 2024
COURSE HOURS:	4.0



*Danaya N. Wilson*

CEO & Training Program Manager

Credential License ID:  
77421355

*Aaron Hix*

Instructor

CHC Training Certificate No.  
R23-0792-AI-O



Verify this Certificate



Renew this Certificate



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS CONSULTANT HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**SCHMALTZ, LAWRENCE GERARD**

4524 OAK FAIR BLVD, SUITE 200  
NOVA ENGINEERING AND ENVIRONMENTAL  
TAMPA FL 33610

**LICENSE NUMBER: AX0000009**

**EXPIRATION DATE: NOVEMBER 30, 2024**

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Ron DeSantis, Governor

Julie I. Brown, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**NOVA ENGINEERING AND ENVIRONMENTAL, LLC**

LAWRENCE GERARD SCHMALTZ  
4524 OAK FAIR BLVD SUITE 200  
TAMPA FL 33610

**LICENSE NUMBER: ZA308**

**EXPIRATION DATE: NOVEMBER 30, 2023**

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August 22, 2023

Mr. Andrew Sechen, Land Acquisition Specialist  
**Indian River County Public Works Department**  
1801 27th Street (Bldg. A)  
Vero Beach, FL 32960

**Re: Pre-Demolition Asbestos Survey (Addendum)**  
**Retail & Residential Structures**  
1375 & 1385 32nd St and 3136 & 3146 US Highway 1  
Vero Beach, FL 32960  
**NOVA Project Number 10101-3023019**

Dear Mr. Sechen:

As requested by the Client, **NOVA Engineering & Environmental, LLC (NOVA)** had Arrowhead Technologies, LLC (Arrowhead) perform point count analysis of asbestos containing materials (ACMs) identified during NOVA's pre-demolition asbestos survey of the retail and residential structures located at 1375 & 1385 32nd St and 3136 & 3146 US Highway 1, in Vero Beach, Florida. Field work for the Pre-Demolition Asbestos Containing Materials Survey at the Subject Site was performed on July 12<sup>th</sup>, 14<sup>th</sup>, and 17<sup>th</sup> of 2023, in accordance with NOVA Proposal Number: 10101-3023019, dated June 23, 2023.

This letter is an addendum to the original Report of Pre-Demolition Asbestos Containing Materials Survey dated August 10, 2023, for the above referenced project.

On July 12<sup>th</sup>, 14<sup>th</sup>, and 17<sup>th</sup> of 2023, NOVA collected three hundred and seventy-five (375) samples of building materials from the survey areas at the Subject Site. ACM sampling was performed in general accordance with the Asbestos Hazard Emergency Response Act (AHERA) guidelines and ASTM E2356-18, "Standard Practice for Comprehensive Building Asbestos Survey" as a Baseline Survey. The samples were placed in appropriate containers, and the containers sealed and labeled with a unique identification number. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead for analysis. The samples were analyzed using Polarized Light Microscopy (PLM), with **twenty-one (21)** of the analyzed samples indicating asbestos content. Although twenty-one (21) ACMs were identified during this previous survey, the Client specifically requested point count analysis of the following five (5) ACMS:

- **3136-3146 US 1 - Silver Coating Material (Btwn Metal Roof Pitch): HSA 30.**
- **3136-3146 US 1 - Black Tar & Silver Coating Material (Parapet Front of Bldg.): HSA 36.**

- 3136-3146 US 1 - Black Flashing & Silver Coating Material (South Roof Seams at Metal and Gravel Roof): HSA 37.
- 3136-3146 US 1 - White Surfacing Material w/ Paint (Bldg. Interior): HSA 38.
- 3136-3146 US 1 - White Textured Material w/ Paint (Main Room Walls & Ceiling): HSA 41.

Below is a summary of point count results:

**SUMMARY OF RESULTS**

HSA	Sample Number	Material Type & Location	PLM Analysis	*Estimated Quantity	EPA Cat.
30	1-3	Black Tar & Silver Coating Over Seams, Roof Corners and Patches (Btwn Metal Roof Pitch)	2% Chr (PLM) 0.75% Chr (PC)	500 ft. <sup>2</sup>	N/A
36	1-3	Black Tar & Silver Coating (Parapet Front of Bldg.)	5% Chr (PLM) 2.25% Chr (PC) & 2% Chr (PLM) 0.50% - 1% Chr (PC)	500 ft. <sup>2</sup>	NF-II
37	1-3	Black Flashing & Silver Coating (South Roof Seams at Metal and Gravel Roof)	5% Chr (PLM) 4% Chr (PC) & 2% Chr (PLM) 1% -1.25% Chr (PC)	1,000 ft. <sup>2</sup>	NF-II
38	1-5	Drywall & White Surfacing Material w/ Paint (Bldg. Interior)	2% Chr (PLM) 0.75% Chr (PC)	5,000 ft. <sup>2</sup>	N/A
41	1-3	Drywall & White Textured Material w/ Paint (Main Room Walls & Ceiling)	2% Chr (PLM) 0.25% - 0.75% Chr (PC)	1,000 ft. <sup>2</sup>	N/A

(\*): Neither NOVA nor the client will be held responsible for anyone’s use of the estimated quantity. It is suggested that anyone responsible for the project prepare their own quantity estimates.

**TABLE LEGEND:**

**HSA:** Homogenous Sampling Area

**QUANTITY ESTIMATE:**

Estimated Quantity of HSA

**PLM ANALYSIS:** Chr. = Chrysotile Asbestos

**EPA CATEGORY:**

F = Friable

Chr. = Chrysotile Asbestos

NF-I = Category I Non-Friable

Crc. = Crocidolite Asbestos

NF-II = Category II Non-Friable

ND = No Asbestos Detected

N/A = Not Applicable

PLM = Polarized Light Microscopy

PC = Point Count Method

Polarized Light Microscopy (PLM) is commonly used for bulk asbestos identification, but it can identify non-asbestos fibers as asbestos. In an effort to eliminate false positives (and

costly unnecessary abatement), samples reported as containing between 1% and 10% asbestos can be analyzed/verified by point count. The alternative is to assume the subject material to be asbestos containing.

As requested by the Client, NOVA requested that the lab verify the results by point count methodology of the five (5) ACMs selected by the Client to better quantify the actual asbestos content and eliminate any false positives. Point Count results indicate that the Black Tar (HSA-36) and Black Flashing (HSA-37) have an asbestos content of 2.25% & 4% Chrysotile Asbestos, respectively, and the Silver Coating (HSA-30, 36 & 37) has an asbestos content ranging from 0.25% - 1.25% Chrysotile Asbestos. Although some of the Silver Coating material has an asbestos content of less than 1% this material cannot be separated from the other ACMs identified as part of the roof system and therefore should be treated as ACM.

The PLM analysis of the five (5) samples collected from HSA-38, White Surfacing Material, revealed only one (1) sample to be above 1% chrysotile asbestos at 2%. The other four (4) samples were below 1%. It was noted that only one (1) sample out of five (5) contained the actual positive material (White Surfacing Material). That sample was reanalyzed using the EPA Point Count Method. The Point Count analysis revealed a result of 0.75% chrysotile, less than 1%, which is not considered positive for asbestos. Although only one sample contained the positive material it is suspected that the Point Count results are indicative of any of that material that may be present and thus considered to be less than 1%.

Point Count results indicate that the White Textured Material (HSA-41) has an asbestos content ranging from 0.25% - 0.75% Chrysotile Asbestos, less than 1%, which is not considered positive for asbestos.

Please note that the Point Count results for these five (5) samples are for the building addressed as 3136-3146 US 1, and although they appear similar to the materials collected from other structures on site, they are not part of the same homogenous group and therefore these point count results do not apply to these other similar materials.

Construction Industry 29 CFR 1926.1101 regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below the Permissible Exposure Limit (PEL) of 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. In addition to worker protection, the mean and methods necessary for ACM abatement are the sole responsibility of the contractor. However, if the PEL is not exceeded, the area is not considered a regulated area by the OSHA standard.

Any ACMs identified should be handled in accordance with the applicable OSHA and FDEP requirements. Prior to abatement, demolition, or renovation activities, which may disturb ACMs, a written ten (10) working day notification must be submitted to the Florida Department of Environmental Protection, Southeast District. Notifications that do not meet the ten (10) day requirement or are incomplete are considered "improper" and may result in enforcement proceedings. Asbestos abatement contractors must maintain current licensing as required by the Florida Department of Business & Professional Regulation (DBPR) and local jurisdictions for the removal, transportation, disposal, or any other asbestos regulated activity. Please be

advised that a copy of this report must be onsite during the renovation or demolition of the building, in the event of a regulatory inspection.

Three options exist for the disposition of the ACM roofing materials:

1. In its current condition the material is unregulated. Further is unlikely to become friable during demolition. Therefore, the material may remain in place during building demolition provided wet demolition methods are employed and the demolition material is disposed of in a landfill that will accept unregulated asbestos waste.
2. The ACM flooring material may be removed prior to demolition by a Florida licensed Asbestos Contractor, or by a licensed building contractor who follows the requirements of Florida Statute 469.

NOVA appreciates the opportunity to be of service to you on this project and looks forward to our continued relationship. If you have any questions regarding this information, please do not hesitate to contact us.

Sincerely,  
**NOVA Engineering & Environmental, LLC**  
Asbestos Business License #ZA308



Jamey A. Cote  
Staff Scientist  
Accredited Asbestos Inspector



Lawrence G. Schmaltz, PE, FLAC  
Florida Licensed Asbestos  
Consultant (#AX009)

Attachments: Laboratory Report and Chain-of Custody





3151 San Bernadino St.  
Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

Page 1 of 20

On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-001	Siding Patch Glue HA17-1	None Detected-White Glue
011998-002	Siding Patch Glue HA17-2	None Detected-White Glue
011998-003	Siding Patch Glue HA17-3	None Detected-White Glue
011998-004	Counter Top Caulk HA18-1	None Detected-White Caulk
011998-005	Counter Top Caulk HA18-2	None Detected-White Caulk
011998-006	Counter Top Caulk HA18-3	None Detected-White Caulk
011998-007	Lt Gray Plaster w/ Paint HA19-1	None Detected-Gray Plaster
011998-008	Lt Gray Plaster w/ Paint HA19-2	None Detected-Gray Plaster
011998-009	Lt Gray Plaster w/ Paint HA19-3	None Detected-Gray Plaster
011998-010	Lt Gray Plaster w/ Paint HA19-4	None Detected-Red Texture w/ Paint None Detected-Gray Plaster
011998-011	Lt Gray Plaster w/ Paint HA19-5	None Detected-Red Texture w/ Paint None Detected-Gray Plaster

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



3151 San Bernadino St.  
Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-012	Lt Gray Plaster w/ Paint HA19-6	None Detected-Gray Plaster
011998-013	Lt Gray Plaster w/ Paint HA19-7	None Detected-Red Texture w/ Paint None Detected-Gray Plaster
011998-014	Dk Gray Plaster w/ Paint HA20-1	None Detected-Gray Plaster w/ Paint
011998-015	Dk Gray Plaster w/ Paint HA20-2	None Detected-Gray Plaster w/ Paint
011998-016	Dk Gray Plaster w/ Paint HA20-3	None Detected-Gray Plaster w/ Paint
011998-017	Dk Gray Plaster w/ Paint HA20-4	None Detected-Gray Plaster w/ Paint
011998-018	Dk Gray Plaster w/ Paint HA20-5	None Detected-Gray Plaster w/ Paint
011998-019	Dk Gray Plaster w/ Paint HA20-6	None Detected-Gray Plaster w/ Paint
011998-020	Dk Gray Plaster w/ Paint HA20-7	None Detected-Gray Plaster w/ Paint
011998-021	Wallboard Painted Walls HA21-1	None Detected-Gray Paint None Detected-Tan Fiberboard
011998-022	Wallboard Painted Walls HA21-2	None Detected-Gray Paint None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-023	Wallboard Painted Walls HA21-3	None Detected-Gray Paint None Detected-Tan Fiberboard
011998-024	Window Seal Caulk HA22-1	None Detected-Clear/Gray Caulk
011998-025	Window Seal Caulk HA22-2	None Detected-Clear/Gray Caulk
011998-026	Window Seal Caulk HA22-3	None Detected-Clear/Gray Caulk
011998-027	Dk Gray Crack Filler HA23-1	None Detected-Gray/White Filler
011998-028	Dk Gray Crack Filler HA23-2	None Detected-Gray/White Filler
011998-029	Dk Gray Crack Filler HA23-3	None Detected-Gray/White Filler
011998-030	Red Brick Painted Brown HA24-1	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic
011998-031	Red Brick Painted Brown HA24-2	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-032	Red Brick Painted Brown HA24-3	None Detected-Brown Paint None Detected-Red Surfacing None Detected-Gray Stucco None Detected-Tan Mastic
011998-033	Lower Siding on Bldg HA25-1	None Detected-Gray Cement Board
011998-034	Lower Siding on Bldg HA25-2	None Detected-Gray Cement Board
011998-035	Lower Siding on Bldg HA25-3	None Detected-Gray Cement Board
011998-036	Stucco Patch HA26-1	None Detected-Gray Stucco w/ Paint
011998-037	Stucco Patch HA26-2	None Detected-Gray Stucco w/ Paint
011998-038	Stucco Patch HA26-3	None Detected-Gray Stucco w/ Paint
011998-039	Shingle Roof HA27-1	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt
011998-040	Shingle Roof HA27-2	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-041	Shingle Roof HA27-3	None Detected-Black Roofing Shingle None Detected-Black Tar None Detected-Black Roofing Felt
011998-042	Gravel Roof HA28-1	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-043	Gravel Roof HA28-2	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-044	Gravel Roof HA28-3	None Detected-Gravel None Detected-White Compound Material None Detected-Black Tar
011998-045	Asphalt Roof Patch over Tar/Gravel HA29-1	None Detected-Black Roof Membrane None Detected-Black Tar 2% Chrysotile-Silver Coating Material
011998-046	Asphalt Roof Patch over Tar/Gravel HA29-2	None Detected-Black Roof Membrane None Detected-Black Tar

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-047	Asphalt Roof Patch over Tar/Gravel HA29-3	None Detected-Black Roof Membrane None Detected-Black Tar
011998-048	Black Tar over Seams HA30-1	None Detected-Black Tar 2% Chrysotile-Silver Coating Material 0.75% Chrysotile-Silver Coating Material (By Point Count)
011998-049	Black Tar over Seams HA30-2	None Detected-Black Tar
011998-050	Black Tar over Seams HA30-3	None Detected-Black Tar
011998-051	Roof Seam Pitch HA31-1	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam
011998-052	Roof Seam Pitch HA31-2	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam
011998-053	Roof Seam Pitch HA31-3	None Detected-Black Tar None Detected-White Coating None Detected-Yellow Polyfoam

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-054	Gray under Metal Roof HA32-1	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-055	Gray under Metal Roof HA32-2	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-056	Gray under Metal Roof HA32-3	None Detected-Blue Gray Coating None Detected-Mesh Wrap None Detected-Black Tar
011998-057	Black Roof Flashing HA33-1	5% Chrysotile-Black Flashing 2% Chrysotile-Silver Coating
011998-058	Black Roof Flashing HA33-2	Not Analyzed
011998-059	Black Roof Flashing HA33-3	Not Analyzed
011998-060	White/Gray Flashing HA34-1	None Detected-Gray Flashing None Detected-White Flashing
011998-061	White/Gray Flashing HA34-2	None Detected-Gray Flashing None Detected-White Flashing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-062	White/Gray Flashing HA34-3	None Detected-Gray Flashing None Detected-White Flashing
011998-063	White Flashing HA35-1	None Detected-White/Gray Flashing
011998-064	White Flashing HA35-2	None Detected-White/Gray Flashing
011998-065	White Flashing HA35-3	None Detected-White/Gray Flashing
011998-066	Black Pitch on Parapit HA36-1	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2.25% Chrysotile-Black Tar 2 (By Point Count) 2% Chrysotile-Silver Coating 2 0.50% Chrysotile-Silver Coating 2 (By Point Count)
011998-067	Black Pitch on Parapit HA36-2	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2 1.00% Chrysotile-Silver Coating 2 (By Point Count)

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-068	Black Pitch on Parapit HA36-3	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2 0.75% Chrysotile-Silver Coating 2 (By Point Count)
011998-069	Black Flashing HA37-1	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 4.00% Chrysotile-Black Tar 2 (By Point Count) 2% Chrysotile-Silver Coating 2 1.00% Chrysotile-Silver Coating 2 (By Point Count)
011998-070	Black Flashing HA37-2	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2 1.25% Chrysotile-Silver Coating 2 (By Point Count)

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-071	Black Flashing HA37-3	None Detected-Black Tar None Detected-Silver Coating 5% Chrysotile-Black Tar 2 2% Chrysotile-Silver Coating 2
011998-072	Drywall Smooth Surface HA38-1	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-073	Drywall Smooth Surface HA38-2	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-074	Drywall Smooth Surface HA38-3	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-075	Drywall Smooth Surface HA38-4	None Detected-Yellow Green Coating None Detected-Tan DW Paper Backing None Detected-White Drywall Material

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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-076	Drywall Smooth Surface HA38-5	2% Chrysotile-White Surfacing w/ Paint 0.75% Chrysotile-White Surfacing w/ Paint (By Point Count) None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-077	2 Layers Flooring HA39-1	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.
011998-078	2 Layers Flooring HA39-2	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.

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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-079	2 Layers Flooring HA39-3	None Detected-Tan Linoleum Surface None Detected-Gray Backing None Detected-Beige Adhesive None Detected-Tan Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Comp.
011998-080	SCT w/ Fissures/Pinholes HA40-1	None Detected-White Ceiling Tile
011998-081	SCT w/ Fissures/Pinholes HA40-2	None Detected-White Ceiling Tile
011998-082	SCT w/ Fissures/Pinholes HA40-3	None Detected-White Ceiling Tile
011998-083	Textured Drywall HA41-1	2% Chrysotile-White Texture w/ Paint 0.50% Chrysotile-White Texture w/ Paint (By Point Count) None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-084	Textured Drywall HA41-2	2% Chrysotile-White Texture w/ Paint 0.25% Chrysotile-White Texture w/ Paint (By Point Count) None Detected-Tan DW Paper Backing None Detected-White Drywall Material

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-085	Textured Drywall HA41-3	2% Chrysotile-White Texture w/ Paint 0.75% Chrysotile-White Texture w/ Paint (By Point Count) None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-086	Brown VFT w/ Mastic HA42-1	2% Chrysotile-Brown Floor Tile 5% Chrysotile-Black Mastic
011998-087	Brown VFT w/ Mastic HA42-2	Not Analyzed
011998-088	Brown VFT w/ Mastic HA42-3	Not Analyzed
011998-089	Green VFT w/ Mastic HA43-1	None Detected-Green Floor Tile None Detected-Clear Adhesive
011998-090	Green VFT w/ Mastic HA43-2	None Detected-Green Floor Tile None Detected-Clear Adhesive
011998-091	Green VFT w/ Mastic HA43-3	None Detected-Green Floor Tile None Detected-Clear Adhesive
011998-092	Brown Peel N Stick Flooring w/ Glue HA44-1	None Detected-Brown Floor Tile None Detected-Clear Adhesive

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Lab Sample No.	Sample Description / Location	Asbestos Content
011998-093	Brown Peel N Stick Flooring w/ Glue HA44-2	None Detected-Brown Floor Tile None Detected-Clear Adhesive
011998-094	Brown Peel N Stick Flooring w/ Glue HA44-3	None Detected-Brown Floor Tile None Detected-Clear Adhesive
011998-095	Gray Plaster HA45-1	None Detected-White Plaster w/ Paint None Detected-Gray Plaster None Detected-Black Mastic
011998-096	Gray Plaster HA45-2	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-097	Gray Plaster HA45-3	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-098	Gray Plaster HA45-4	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-099	Gray Plaster HA45-5	None Detected-White Plaster w/ Paint None Detected-Gray Plaster
011998-100	Black Vinyl Baseboards w/ Glue HA46-1	None Detected-Black Baseboard None Detected-Yellow Glue

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Clearwater, Florida 33759  
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-101	Black Vinyl Baseboards w/ Glue HA46-2	None Detected-Black Baseboard None Detected-Yellow Glue
011998-102	Black Vinyl Baseboards w/ Glue HA46-3	None Detected-Black Baseboard None Detected-Yellow Glue
011998-103	HVAC Duct/Insulation HA47-1	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-104	HVAC Duct/Insulation HA47-2	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-105	HVAC Duct/Insulation HA47-3	None Detected-White Coating None Detected-Silver/Tan Wrap None Detected-Pink Glass Insulation
011998-106	Silver Tape HA48-1	None Detected-Silver Foil None Detected-Yellow Adhesive
011998-107	Silver Tape HA48-2	None Detected-Silver Foil None Detected-Yellow Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
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On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-108	Silver Tape HA48-3	None Detected-Silver Foil None Detected-Yellow Adhesive
011998-109	2 Layers VFT w/ Leveling Compound HA49-1	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-110	2 Layers VFT w/ Leveling Compound HA49-2	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-111	2 Layers VFT w/ Leveling Compound HA49-3	None Detected-Gray Coating None Detected-Tan Floor Tile None Detected-Tan Mastic None Detected-Gray Leveling Comp.
011998-112	Office Insulation Silver Backing Foam HA50-1	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.





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NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		

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On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-113	Office Insulation Silver Backing Foam HA50-2	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing
011998-114	Office Insulation Silver Backing Foam HA50-3	None Detected-White/Tan Surface None Detected-Yellow Polyfoam None Detected-Silver/Tan Backing
011998-115	Black Paneling w/ Glue HA51-1	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-116	Black Paneling w/ Glue HA51-2	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-117	Black Paneling w/ Glue HA51-3	3% Chrysotile-Black Mastic None Detected-Tan DW Paper Backing None Detected-White Drywall Material
011998-118	VFT w/ Leveling Compound HA52-1	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Client :	Nova	Lab Set No. :	011998
Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS)		
	App E to Sub E of 40 CFR Part 763 and EPA Method 600/R-93/116		Page 18 of 20

On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnis for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-119	VFT w/ Leveling Compound HA52-2	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound
011998-120	VFT w/ Leveling Compound HA52-3	None Detected-Gray Floor Tile None Detected-Yellow Mastic None Detected-Gray Leveling Compound
011998-121	Wall Paper HA53-1	None Detected-White Coating None Detected-Brown Wood Panel
011998-122	Wall Paper HA53-2	None Detected-White Coating None Detected-Brown Wood Panel
011998-123	Wall Paper HA53-3	None Detected-White Coating None Detected-Brown Wood Panel
011998-124	White Wallboard HA54-1	None Detected-White Coating None Detected-Brown Fiberboard
011998-125	White Wallboard HA54-2	None Detected-White Coating None Detected-Brown Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Project :	3136-3146 US 1	AT Job No. :	23-11998
Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
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On 7/18/2023, one hundred thirty-two (132) bulk material samples were submitted by Bruce McKinnes for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
011998-126	White Wallboard HA54-3	None Detected-White Coating None Detected-Brown Fiberboard
011998-127	Caulk HA55-1	None Detected-White Caulk
011998-128	Caulk HA55-2	None Detected-White Caulk
011998-129	Caulk HA55-3	None Detected-White Caulk
011998-130	Wallboard HA56-1	None Detected-Tan Fiberboard
011998-131	Wallboard HA56-2	None Detected-Tan Fiberboard
011998-132	Wallboard HA56-3	None Detected-Tan Fiberboard

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Client Project No.:	10101-3023019	Report Date :	8/15/2023
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/17/2023
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Page 20 of 20

### SCOPE OF THIS REPORT

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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### STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested as received and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Ryan Schwegman

Laboratory Director : Monte Hall, P.G.  
Florida Registration No. 1658

Approved Signatory :

119918

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023-019

Project Address: 3136-3146 W.3 | Vero Beach FL

Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX:

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
17	1-3	APT. D - Siding Patch glue	Alexandria Patched Patch 1785-32nd St.	patch metal w/ glue glue only here	10	D	M	✓
18	1-3	counter top concrete	APT. B & C 1385	Kitchen / Bath	100	D	H	✓
19	1-7	light gray Plaster w/ paint	3136 - N 3136 - E 3136 NW 3146 East 3146 South 3146 SE corner 3146 West	Around BLDG Main - over Block	10,000	D	H	✓
19	↓	↓	↓	↓	↓	↓	↓	↓
20	1-7	Dark Gray w/ Paint Plaster	3136 East middle 3136 SW corner 3146 SW corner 3136 Front Loop 3146 / 3136 3146 Middle 3146 Front SEW	East middle SW corner SW corner Front Loop Roll doors Area	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓	↓	↓	↓

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: B.G.D

Received By / Date:

Man. Schyman 7/18/2023

119918

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indian River Co. Public works

Project and/or Job Number: 10101-3023019

Project Address: 3136-3146 U.S-1 Vero Beach

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
21	1-3	wall board Painted	Front Row North side	Main BLDG	5,000 <del>10,000</del>	D	M	N
22	1-3	walls around Bldg window Seal Caulk	On Rear window	- around glass	200			
23	1-3	Dark gret Crack Filler	On Siding wall	main BLDG Rear Mainly of BLDG	500			
24	1-3	Brick (Red) Painted brown	Front Rear North side	Main BLDG	5,000		H	
25	1-3	lower siding on BLDG	Rear of Rollup Doors North side Bldg New + PTS South end near ANTS w/ Paint		↓			
26	1-3	Stucco Patch Along bottom of	wall - South side of Main BLDG	3146	500			

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: 30-2

Received By / Date: Ryan Sulymur 7/18/2023

11998

# Asbestos Chain of Custody Record

Company NOVA ENGINEERING & ENVIRONMENTAL  
 Address 4524 Oak Fair Boulevard, Suite 200  
 City / State / Zip Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_  
 Client / Owner: Indian River Co. Public Works  
 Project and/or Job Number: 10101-3023019  
 Project Address: 3136-3146 US 1 Vero Bch

Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKinnis  
 Phone: 813-267-6044 FAX: \_\_\_\_\_  
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
27	1-3	Shingle Roof, North Pitch over Gravel Roof	1385 APTS	e sheds,	1,000	D	L	X
28	1-3	between metal Pitch	Roofs - over	hang - front	1,000			
29	1-3	Asphalt Roof Patch over tar & gravel	Roof - Southern side	between pitches	metal 200			
30	1-3	Bl. Tar over Seams, Roof corners	Roofs & Patches					
31	1-3	Root Seem Patch at Bottom of metal	Pitch Roofs - between Pitches	w/ foam	1,000			
32	1-3	Gravel - under metal Roof at Seem	Patch		50			
33	1-3	Bl. Root Flashing on Stacks - white/grey Flashing on Stacks - N. Side	Metal Roofs	over eave & stack base.	200			
34	1-3	On Stacks - N. Side	Shingle Roof, over APTS		50			

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-3

Received By / Date: Ryan Seligman 7/18/2023

11998

**NOVA ENGINEERING & ENVIRONMENTAL**  
 4524 Oak Fair Boulevard, Suite 200  
 Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545  
 Client / Owner: Jadean Rev Co. Public Works  
 Project and/or Job Number: 10101-3023-019  
 Project Address: 3136-3146 U.S. 1 Vero Beach

**Asbestos Chain of Custody Record**  
 Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKinnis  
 Phone: 813-267-6044 FAX:   
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
35	1-3	white Flashing under metal roof	at Seams	Metal Roofs Main BLDG.	2,000	D	L	N
36	1-3	Bl. pitch on Paraph		Front Eves of Main BLDG	500			
37	1-3	Textured			1,000			
38	1-5	Bl. Flashing at South BLDG. Metal Dirt wall, smooth surface	Seams at gravel Roof (above it) Inside with E main BLDG (N. stop) Wall near CTR RM Main office South wall		5,000		M	
38	↓			South RM wall	↓			
39	1-3	2 layers Floor- CTR Bath RM	Linenum Type floor over V.F.T		50		H	N
40	1-3	ScT w/ fissures & pin holes 2x4	CTR Main South ATT.	BLDG.	700		M	
41	1-3	Textured DIRT wall	South with E-main RM BLDG. South wall & ceiling		1,000			

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-4

Received By / Date: Piper Scheyen 7/18/2023



11998

**NOVA ENGINEERING & ENVIRONMENTAL**  
 4524 Oak Fair Boulevard, Suite 200  
 Tampa, FL 33610  
 Phone 813-623-3100 FAX 813-623-3545  
 Client/Owner: Tadon River Co. Public works  
 Project and/or Job Number: 10101-3023019  
 Project Address: 336-93146 US Fvero Bch

**Asbestos Chain of Custody Record**  
 Normal 3 Day  Next Day  Same Day  Immediate   
 Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)  
 Date: 7-17-23 Contact: B. McKeane  
 Phone: 813-267-6044 FAX:  
 Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
42	1-3	Brown VFT w/ mastic	X	South WHSE Bathroom	50	D	H	N
43	1-3	Green VFT w/ mastic	X	3534 APT Bathroom	50	D	H	N
44	1-3	Brown Peel n stick Flooring w/ glue	X	Back Roomy Living/Kitchen	200	D	H	N
45	1-5	Great Plaster		Main South Bath-CTR main Front	5000	D	H	N
				South WHSE wall CTR. E. wall Front Room				
46	1-3	Blue vinyl baseboards w/ glue		CTR WHSE Roll up door and stock RM office	500	D	H	N
47	1-3	HVAC Duct (Bot) and Insulation		APT-312H only unit w/ HVAC ART. unit stripped down	100	D	M	N
48	1-3	Silver Tape to Seal Insulation edges		main CTR WHSE	500	D	H	N

G=Good, D=Damaged, SD=Significantly Damaged

Received By / Date:  
Ryan Schlyer 7/18/2023

Sampled By: B. McKeane Date: 7-17-23  
 Transported By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Instructions: BG-4

119098

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email \_\_\_\_\_

Client / Owner: Indrean Rivers Co. Public Works

Project and/or Job Number: 6061-3023019

Project Address: 3136 W.S. 1 Vero Beach

# Asbestos Chain of Custody Record

Normal 3 Day  Next Day  Same Day  Immediate

Stop First Positive: Yes  No  (\*Receive Cut Off Time: 2pm)

Date: 7-17-23 Contact: B. McKinnis

Phone: 813-267-6044 FAX: \_\_\_\_\_

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
49	1-3	2 layers VFT w/ Leveling compound	✓	Small office area north office section w/ safe	100	D	H	N
50	1-3	OFFICE Insulation silver backing foam	✓	walls and ceiling in office - south part of office	100			
51	1-3	Behind wood wall Paneling - glue w/ wood	✓	whole office walls - n. & s. west offices	200			
52	1-3	VFT w/ leveling compound	✓	office floor - south office	100			
53	1-3	wall paper - <del>over</del>	APT 3134 Front living rm	living rm and kitchen area walls	200			
54	1-3	W. Wall board white - w/ dis Plat	holes for hanging	Product - Front central w/HSE	500			
55	1-3	Caulking around wall board	wall board	Front central	500			
56	1-3	wall board - work shop walls	Rear ctr w/HSE	W/HSE - Showroom new office	500			
				At center roll up door	500			

C=Good, D=Damaged, SD=Significantly Damaged

Sampled By: B. McKinnis Date: 7-17-23

Transported By: \_\_\_\_\_ Date: \_\_\_\_\_

Special Instructions: BG.S

Received By / Date:

Ryan Seligman 7/18/2023

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## **Appendix B – Schedule of Permit Fees**

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# Indian River County Building Division Permit Fee Schedule

EFFECTIVE 10/11/21

#	Permit Type	Application Fee	Permit Fee	Comments
1	<b>New Buildings, Alterations, Mobile and Modular Homes</b>	\$200.00	0.4334% of ICC Building Valuation over \$46,146.75	Base permit fee includes subcontractor work (electrical, plumbing, mechanical, insulation, alarm, and irrigation) if subcontractor work is shown on the permit documents, if the value of the subcontractor work is included as part of the aggregate construction value and if subcontractor affidavits are submitted with the application. Commercial Site work and all Accessory Structures are excluded.
2	<b>Additions, Alterations, Misc. Commercial</b>			

Residential / Commercial Trade Permits				EFFECTIVE 10/11/21	
#	Permit Fee	Comments			
3	Aboveground Swimming Pool \$75.00	Additional permit fee of 0.4334% of contract / work order valuation over \$17,305; permit fee due at time of application. Fee Includes one inspection. Trade permits requiring plan review subject to a \$55 plan review fee.			
4	Burglar Alarm \$75.00				
5	Electric \$75.00				
6	Electrical \$75.00				
7	Electrical Service Change \$75.00				
8	Electrical Temporary Pole \$75.00				
9	Fence \$75.00				
10	Fuel Gas \$75.00				
11	In-fill Screening \$75.00				
12	Insulation \$75.00				
13	Irrigation System \$75.00				
14	Mechanical \$75.00				
15	Plumbing \$75.00				
16	Pool Barrier (excluding screened enclosure) \$75.00				
17	Pre-fabricated detached accessory structure \$75.00				
18	Residential Paving (Driveway, Patio Slab) \$75.00				
19	Solar water or PV \$75.00				
Residential Specialty Permits					
#	Permit Type		Permit Fee	Comments	
20	Door / Window - Replacement / Hurricane Shutters	\$75.00	Fee includes up to 4 components or openings	Additional permit fee of 0.4334% of contract / work order valuation over \$17,305; permit fee due at time of application. Fee Includes one inspection. Trade permits requiring plan review subject to a \$55 plan review fee.	
21	Door / Window - Replacement / Hurricane Shutters	\$200.00	Greater than 4 components or openings	Additional permit fee of 0.4334% of contract / work order valuation over \$46,146.75; permit fee due at time of application.	
22	Garage door replacement - (1Door)	\$75.00	\$25 for each additional door in the same building / unit	Additional permit fee of 0.4334% of contract / work order valuation over \$17,305; permit fee due at time of application. Fee Includes one inspection. Trade permits requiring plan review subject to a \$55 plan review fee.	

<b>Level-1 Specialty Permits</b>					
#	Permit Type	Permit Application Fee	Comments		
23	Aluminum Structures	\$200.00	Additional permit fee of 0.4334% of contract / work order valuation over \$46,146.75; permit fee due at time of application.		
24	Sign	\$200.00			
25	Demolition	\$200.00			
26	Deck, Dock or Seawall	\$200.00			
27	Door or window replacement- Commercial	\$200.00			
28	Garage doors replacement – Commercial	\$200.00			
29	House Moving	\$200.00			Separate Alteration permit required for foundation and improvements at relocation site.
30	Hurricane Shutters - Commercial	\$200.00			
31	Site-Built Accessory Structure	\$200.00			
32	Commercial Paving	\$200.00			
<b>Level-2 Residential and Commercial Specialty Permits</b>					
#	Permit Type	Application Fee	Permit Fee	Comments	
33	Miscellaneous Permits: e.g: Fixed Station Generator		\$225.00	Additional permit fee of 0.4334% of contract / work order valuation over \$51,916; permit fee due at time of application.	
34	Re-roofing		\$225.00		
35	Residential Pool		\$225.00		
36	Commercial Pool	\$200.00	\$250.00	Additional permit fee of 0.4334% of contract / work order valuation over \$57,685; permit fee due at time of application.	
<b>INSPECTION RELATED FEES</b>					
		FEE			
37	Re-inspection fee	\$45.00		[1] failure to comply with code/plan requirements. [2] unproductive inspector trip (unable to access the work or not ready for inspection). [3] Advisory Inspection requested by contractor or owner.	
38	After-Hour Inspections	\$50 / hour. Minimum 4-hour charge		Must be arranged 2 days in advance.	

	<b>Plan Review</b>	<b>FEE</b>		<b>Comments</b>	
39	1st and 2nd Application / Plan Rejection / Modification	\$100 each		When content fails to meet sufficiency Requirement Check List (per state statute).	EFFECTIVE 10/11/24
40	3rd and subsequent Application / Plan Rejection / Modification	Four (4) times the original plan review fee (1/3 permit fee)		When content fails to meet sufficiency Requirement Check List (per state statute).	
41	Revision - small format	\$50.00		one 8.5 x 11 sheet	
42	Revision - large format	\$100.00		plan sheets - large format - or more than one 8.5x11	
43	Pre-Application Design Review	\$100.00			
<b>Contractor Licensing</b>					
		<b>FEE</b>			
44	Competency Card Application Fee	\$50.00			
45	Competency Card Renewal Fee	\$50.00			
<b>Administrative Service Fees</b>					
		<b>FEE</b>		<b>Comments</b>	
46	Microfilm / Microfiche Document Requests Document Research	See Archive Request form			
47	Digital Document requests	See Archive Request form			
48	Paper documents from database or copier	0.25* / 0.50** per page fee		8.5x11*, 8.5x14*, 11x17**	
49	Change of contractor	\$50.00			
50	Change of sub-contractor	\$20.00			
<b>GENERAL INFORMATION</b>					
	<b>Valuation methodology</b>	Valuation is based on the greater of contract value or latest ICC valuation table or as otherwise acceptable to the Building Official for specialty work not addressed by the ICC valuation table. The job valuation must include labor, overhead and profit. Valuation of total improvement (excluding land) shall be used.			
	<b>Penalties (statutory).</b>	Any person who commences any work requiring a permit before obtaining the permit shall be subject to a penalty of one hundred percent (100%) (Double) of the standard permit fee. The payment of such penalty shall not relieve any person(s) from complying with the requirement of the Building Code, the IRC Code of Ordinances, any applicable laws, or this resolution			
	<b>Multiple Buildings</b>	Multiple Buildings on one property: Work in common areas of buildings is individually permitted per building not per property.			
	<b>Refunds</b>	Permit and Permit Application fees are non-refundable.			
	<b>Private Provider Fee Reductions</b>	A fee reduction for Private Provider related permits will be calculated as follows: 10% reduction in fees if a "Private Provider" is utilized for Permit Plan Review, and 25% reduction in fees if a "Private Provider" is utilized for Permit related Inspections.			
	<b>Credit Card Service Fee</b>	Credit card payments are subject to a 2.5% per transaction fee with a \$2 minimum			