



**Request for Proposal for
Demolition and Disposal of
Buildings and Debris on
Various Foreclosed Properties
Otsego County, Michigan**

BID 2020-08

SECTION I. INTRODUCTION

Proposals for the demolition and disposal of buildings and miscellaneous debris various foreclosed properties will be received by Otsego County to the attention of Chris Churches in the Administration Office, 225 West Main Street, Suite 203, Gaylord, Michigan, 49735 until **10:00 a.m. local time on Thursday, October 1st, 2020**. Bids will be publicly opened and read at 10:05 a.m. on Thursday, October 1st in Room 100 at 225 W. Main Street, Gaylord, MI.

Any questions must be received by Monday, September 28th, 2020 at noon.

The County reserves the right to accept, reject or negotiate any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, to rebid the project/purchase, and to accept any bid determined by the County to be in the best interest of the County, regardless of price. The reason for rejection may include past performance issues, and compatibility with existing equipment or software. Vendors located in Otsego County are hereby granted a 5% cost variance for low bid determination.

SECTION II. INSTRUCTIONS, INFORMATION AND REQUIREMENTS

1. **Purpose:** The purpose of this Request for Proposal (RFP) is to receive proposals for selection of a contractor to provide demolition and disposal services for the following buildings and miscellaneous debris located in Otsego County:
 1. Parcel # 011-820-000-020-00 located at 1908 John Street in Bagley Township.
 2. Parcel # 072-310-000-076-00 located at 2887 Pine Grove St in Hayes Township.
 3. Parcel # 080-030-200-030-00 located at 1531 N Townline Road in Livingston Township.

(See Appendices A through C for photos and lead-based paint, mold, and asbestos survey results for each property).

This RFP does not constitute a contract for services performed or to be performed. After selection of the successful firm (referred to as the contractor), Otsego County, and the contractor will negotiate a contract and a complete scope of services.

All proposals submitted become the property of Otsego County and will not be returned. The County is not responsible for any costs incurred by the respondent in proposal preparation, presentations, site visits, or benchmarks performed.

2. **Submittal of Proposals/Bids:** Submittal of proposals/bids shall be on the form attached hereto in **Section IV** no later than noon on Thursday, October 1st, 2020. Proposals shall be sealed and clearly marked as BID 2020-08 on the outside, and sent to the following:

Attn: Chris Churches
225 W. Main Street, Suite 203
Gaylord, Michigan 49735

Bids will be publicly opened and read at 10:05 a.m. on Thursday, October 1st in Room 100 at 225 W. Main Street, Gaylord, MI.

3. **Official Signature:** An authorized official/person acknowledging full understanding of the information contained in this RFP must sign the Bid/Proposal Form.
4. **Inquiries:** Questions regarding the RFP should be directed to Chris Churches by calling 989-731-7515 or emailing to cchurches@otsegocountymi.gov.

Any questions must be received by Monday, September 28th, 2020 at noon.

5. **Insurance Requirements:** Contractor shall furnish a Certificate of Insurance from an insurance company licensed to do business in the State of Michigan and acceptable to the County for the following:
- a. Workers Compensation and Employers' Liability, Michigan Statutory Limits of Liability.
 - b. Commercial General Liability Insurance.
 - c. Motor Vehicle Liability Coverage, and Michigan No-Fault Coverages including all owned, non-owned, and hired vehicles.

Otsego County will be named as Additional Insured on all insurance coverage, with the exception of Workers Compensation and Employers' Liability insurance.

Limits of Liability for General Liability, and Vehicle Liability shall be within the following guidelines based on contract amount:

- Projects up to \$750,000: Minimum of \$1,000,000 per occurrence and aggregate.
 - Projects \$750,001 to \$1,750,000: Minimum of \$2,000,000 per occurrence and aggregate.
 - Projects \$1,750,001 to \$2,750,000: Minimum of \$3,000,000 per occurrence and aggregate.
 - The required amounts continue to escalate by adding \$1,000,000 to the beginning and ending project range and to the minimum insurance requirement.
 - A Waiver of Subrogation is required on the certificate of liability insurance.
 - The certificate of liability insurance is required to have a 30-day notice of cancellation.
6. **Bid and Performance Bonds:** Bid bonds are required for construction or repair projects in the amount of \$100,000 or more. Bid bonds and performance bonds are required for construction or repair projects in the amount of \$250,000 or more. Bid bonds shall be in the amount of 10% of the total contract price. Performance bonds will be in the amount of 100% of the total contract price. Bond requirements cannot be waived.
7. **Lien Waivers:** For construction or repair projects in the amount of \$50,000 or more, the contractor is required to provide partial lien waivers, verifying all subcontractors and suppliers have been paid for their work to date, for payment requests beyond 25% of the total contract price. The final 10% of the contract price can be paid prior to receipt of lien waivers. The contractor will provide final lien waivers within 30 days of contract completion. In the event that a contractor does not provide the required lien waivers, the contract will not be eligible for future County projects without the consent of the County Infrastructure Committee.

8. **Licenses:** The winning bidder hold any licenses necessary to work in the State of Michigan.
9. **References:** Bidder shall provide the names of three (3) commercial accounts for similar work performed. References are also required for any subcontractors.
10. **Evaluation and Award:** Bids/proposals shall be evaluated and awarded by the County as soon as practicable. Award of the bid will be based on quality, service, completion date, experience and price. Information on each of these categories shall be included in bid responses.
11. **Compliance with the Law:** Contractor shall comply with all applicable federal, State and local laws and ordinances, rules and regulations, as well as any applicable County policies.
12. **Timeline:** Project is to commence upon board approval. Final completion shall be December 15th, 2020.

SECTION III. SCOPE OF SERVICE

Furnish and provide all materials, supplies, tools, equipment, labor, supervision, and expertise to properly and professionally perform all required services described in this RFP.

CONTRACTOR RESPONSIBILITIES

The Contractor Responsibilities are below. (See Appendices A-C for photos and lead based paint, mold, and asbestos survey results for each property).

General Information:

- Contractor must obtain any and all permits necessary to complete the work described herein. The cost of the permits should be included in the bid price.
- All work must be completed by December 15th, 2020.
- A mold, lead-based paint, and asbestos survey was conducted at each of the below properties. The survey results for each property are contained in Appendices A-C. The contractor shall be solely liable for the determination of needed abatement measures and proper disposal of materials generated from demolition. The contractor shall follow all relevant NESHAP, Michigan Department of EGLE, and MIOSHA requirements and protocols.

Parcel # 011-820-000-020-00 located at 1908 John Street in Bagley Township:

1. Demolition/removal/disposal of main building and all outbuildings, including foundations, all building contents, utilities, miscellaneous concrete and asphalt, etc. following all relevant NESHAP, Michigan Department of EGLE, and MIOSHA requirements and protocols.
2. Backfilling all excavations with clean material (MDOT Class III or better) and providing a level finished ground. The site should be in appropriate condition for future construction.
3. Removal of all furniture, trash, scrap metal, concrete, debris, etc. encountered at the site.
4. Abandonment of all site utilities. Contacting MISS DIG will also be the responsibility of the contractor.
5. All erosion control measures including the placement of topsoil, seed and mulch following building removal and cleanup.
6. Proper containment and protection of the demolition site. The perimeter of the site shall be protected by snow fence and/or caution tape.

Parcel # 072-310-000-076-00 located at 2887 Pine Grove St in Hayes Township:

1. Demolition/removal/disposal of main building and all outbuildings, including foundations, all building contents, utilities, miscellaneous concrete and asphalt, etc. following all relevant NESHAP, Michigan Department of EGLE, and MIOSHA requirements and protocols.
2. Backfilling all excavations with clean (MDOT Class III or better) material and providing a level finished ground. The site should be in appropriate condition for future construction.
3. Removal of all furniture, vehicles (including boats), trash, scrap metal, debris, etc. encountered at the site.
4. Abandonment of all site utilities. Contacting MISS DIG will also be the responsibility of the contractor.
5. All erosion control measures including the placement of topsoil, seed and mulch following building removal and cleanup.
6. Proper containment and protection of the demolition site. The perimeter of the site shall be protected by snow fence and/or caution tape.

Parcel # 080-030-200-030-00 located at 1531 N Townline Road in Livingston Township:

1. Demolition/removal/disposal of main building and all outbuildings, including foundations, all building contents, utilities, miscellaneous concrete and asphalt, etc. following all relevant NESHAP, Michigan Department of EGLE, and MIOSHA requirements and protocols.
2. Backfilling all excavations with clean (MDOT Class III or better) material and providing a level finished ground. The site should be in appropriate condition for future construction.
3. Removal of all furniture, appliances, vehicles, trash, scrap metal, debris, etc. encountered at the site.
4. Abandonment of all site utilities. Contacting MISS DIG will also be the responsibility of the contractor.
5. All erosion control measures including the placement of topsoil, seed and mulch following building removal and cleanup.
6. Proper containment and protection of the demolition site. The perimeter of the site shall be protected by snow fence and/or caution tape.

Walk-throughs for all properties can be arranged by contacting Chris Churches at cchurches@otsegocountymi.gov or 989-731-7515.

COUNTY RESPONSIBILITIES

- 1) Provide access to the facility and work areas as necessary for the project; and coordinate with County security services.
- 2) Provide prompt payment upon receipt of invoices and acceptance of the project work.

**SECTION IV. BID/PROPOSAL FORM
BID 2020-08**

The undersigned proposes to furnish building demolition, disposal, and miscellaneous debris clean-up and disposal services for Otsego County in accordance with the attached specifications stated herein for the price listed below.

No.	Description	Qty	Unit	Total Price
1.	Parcel # 011-820-000-020-00 located at 1908 John Street in Bagley Township.	1	LS \$	
2.	Parcel # 072-310-000-076-00 located at 2887 Pine Grove St in Hayes Township.	1	LS \$	
3.	Parcel # 080-030-200-030-00 located at 1531 N Townline Road in Livingston Township.	1	LS \$	

OVERALL TOTAL: \$ _____

I acknowledge the receipt of the following addendums (list all issued):

COMPANY NAME: _____

ADDRESS: _____

SIGNATURE: _____

TITLE: _____

TELEPHONE: _____

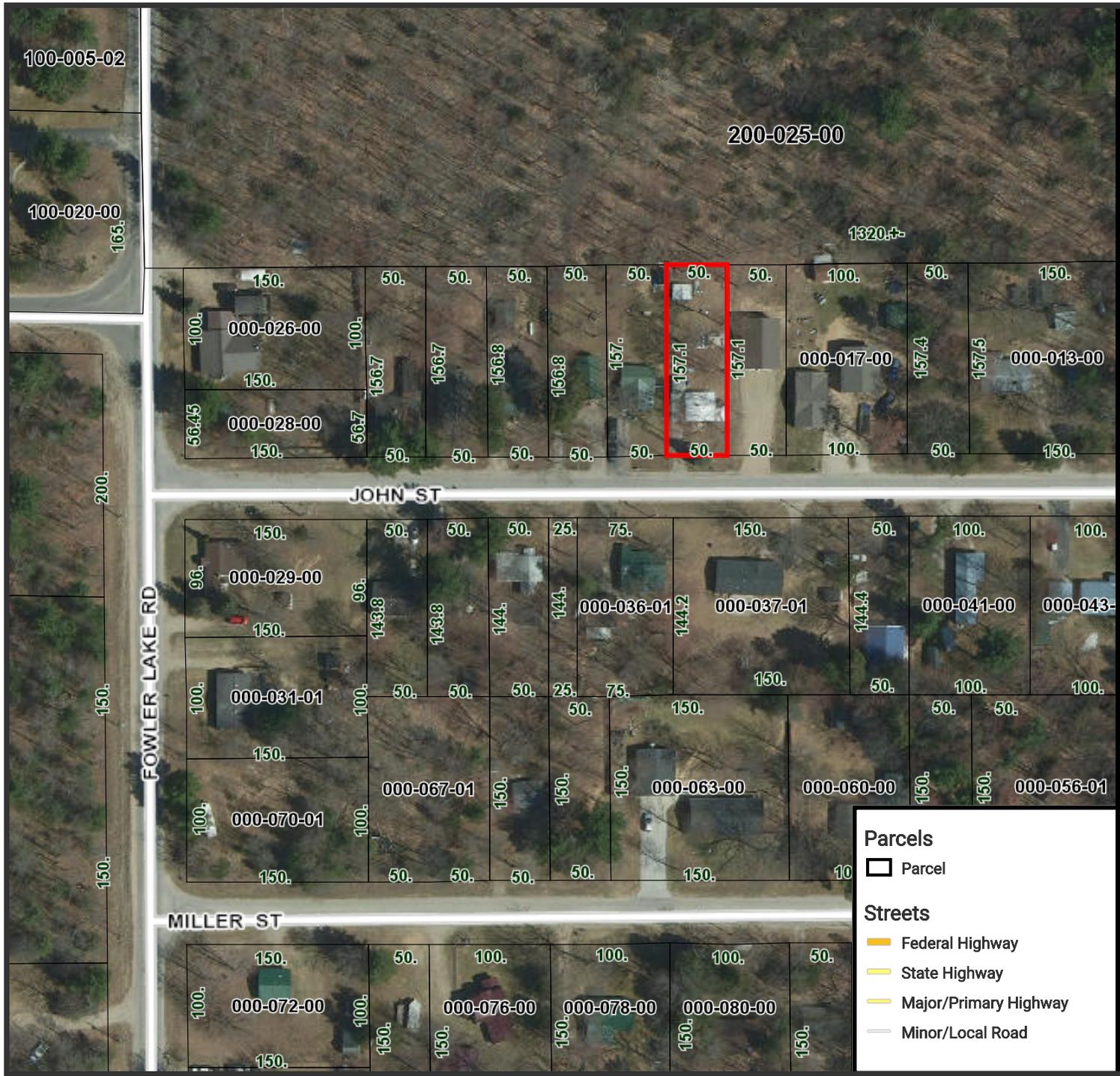
EMAIL (if any): _____

FAX: _____

DATE: _____

APPENDIX A

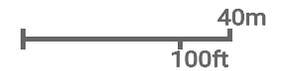
Photos and Location Map
For Parcel # 011-820-000-020-00 located at
1908 John Street in Bagley Township
Otsego County, MI



1908 John St Property Location Map



Map Publication:
08/27/2020 10:51 AM



Parcels

Parcel

Streets

- Federal Highway
- State Highway
- Major/Primary Highway
- Minor/Local Road

Disclaimer: This map does not represent a survey or legal document and is provided on an "as is" basis. Otsego County expresses no warranty for the information displayed on this map document.

John St

Neighboring structures to be protected.

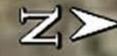
Miscellaneous junk and debris to be disposed of and/or removed from property. Lot should be vacant once complete.



Neighboring structures to be protected.

House and outbuildings (including all contents) to be demolished and disposed of.

***NOTE: Overview map is for information only. Total extent of work is as described in the RFP.**







PUBLIC AUCTION
8515
www.auction.com
1-800-250-7434

1902













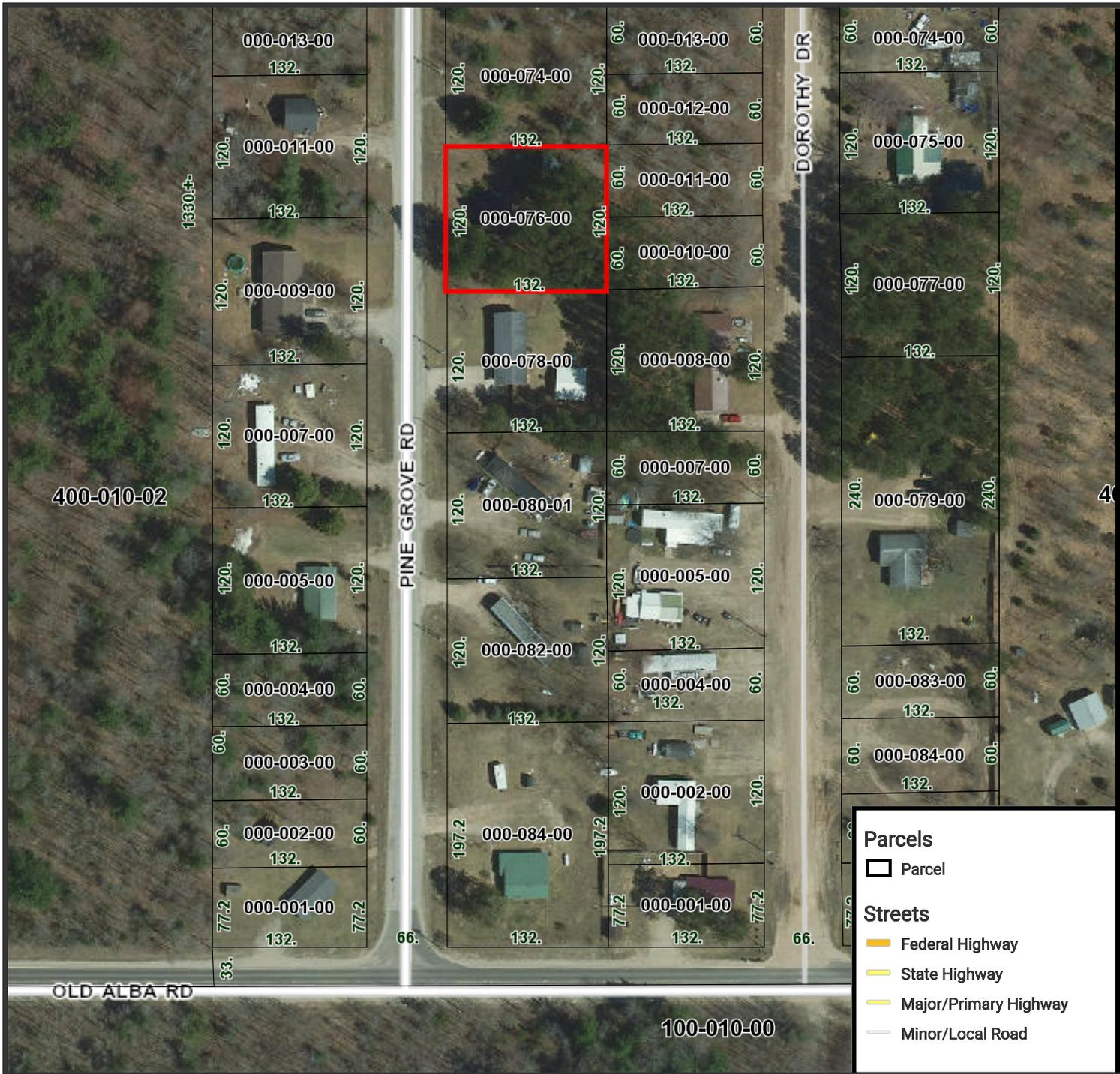




1305

APPENDIX B

Photos and Location Map
For Parcel # 072-310-000-076-00 located at
2887 Pine Grove St in Hayes Township
Otsego County, MI



2887 Pine Grove Rd Property Location Map



Map Publication:
08/27/2020 10:58 AM



Parcels
 Parcel

Streets
 Federal Highway
 State Highway
 Major/Primary Highway
 Minor/Local Road

Disclaimer: This map does not represent a survey or legal document and is provided on an "as is" basis. Otsego County expresses no warranty for the information displayed on this map document.

2887 Pine Grove St

Demolition Overview

Legend

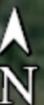
-  Approximate Structure(s) Outline
-  Approximate Lot Outline

House and outbuildings
(including all contents) to be
demolished and disposed of.

Miscellaneous junk and debris (including any
boats, vehicles, etc.) to be disposed of and/or
removed from property. Lot should be
completely vacant once complete.

Vegetation to be
removed as needed to
complete demolition and
cleanup

*NOTE: Overview map is for information only. Total extent of work is as described in the RFP.



















2887



APPENDIX C

Photos and Location Map
For Parcel # 080-030-200-030-00 located at
1531 N Townline Road in Livingston Township
Otsego County, MI



1531 Townline Rd N Property Location Map



Map Publication:
08/27/2020 11:04 AM



- Parcels**
- Parcel
- Streets**
- Federal Highway
 - State Highway
 - Major/Primary Highway
 - Minor/Local Road

Disclaimer: This map does not represent a survey or legal document and is provided on an "as is" basis. Otsego County expresses no warranty for the information displayed on this map document.

1531 N Townline Rd

Demolition Overview

Legend

-  Approxiate Structure(s) Outline
-  Approximate Lot Outline

Miscellaneous junk and debris to be disposed of and/or removed from property. Lot should be completely vacant once complete. **Lot will need to be mowed to uncover miscellaneous concrete / junk / debris in field needing disposal.**

House and outbuildings (including all contents) to be demolished and disposed of.

***NOTE: Overview map is for information only. Total extent of work to encompass everything described in the RFP.**























APPENDIX D

Asbestos, Lead-Based Paint, and Model Survey Results
For Parcels 080-030-200-030-00, 072-310-000-076-00, & 011-820-000-020-00
Located in Livingston, Hayes, and Bagley Townships
Otsego County, MI

Sagasser & Associates, Inc.

Environmental Assessment and Consulting Services

September 8, 2020

Mr. Chris Churches
Director of Planning & Zoning, Capital Projects & Grants
Otsego County
225 West Main Street
Gaylord, Michigan 49735

**RE: Asbestos, Lead-Based Paint & Mold Survey & Sampling
Residential Home – 1908 John Street – Bagley Twp.
Residential Home – 2887 Pine Grove Street – Hayes Twp.
Residential Home & Outbuildings – 1531 North Townline Road – Livingston Twp.
Gaylord, Otsego County, Michigan
Sagasser & Associates, Inc. Project #82003**

Dear Mr. Churches:

Sagasser & Associates, Inc. has completed an asbestos survey & lead-based paint sampling at each of the three (3) aforementioned foreclosed residential properties located in Otsego County, Michigan (Site). The purpose of the asbestos survey and sampling was to determine the presence and percentage of asbestos mineral fibers in the identified suspect asbestos containing materials (SACM) in the building prior to demolition. As per the National Emissions Standard for Hazardous Air Pollutants (NESHAP) regulations, 40 CFR; Part 61, Subpart M, prior to demolition or renovation of a building must be inspected for friable and non-friable ACM and the friable/potentially friable ACM must be removed to minimize the release of asbestos emissions during a demolition and/or renovation.

The purpose of the lead-based paint (LBP) sampling was to determine if the paint contained concentrations of lead at levels above the regulatory criteria to provide for worker protection during renovation or demolition activities. The purpose of the mold survey was also to provide for worker protection.

Authorization

Authorization for performance of the asbestos survey and sampling was provided to Sagasser & Associates, Inc. by Ms. Rachael Frisch, Administrator of Otsego County (Client). Written authorization was given on August 25, 2020, through acceptance of Sagasser & Associates, Inc. Proposal# P82003, dated August 24, 2020, which detailed a proposed scope-of-work, estimated costs and conditions for completing survey and sampling.

Scope of Work

Sagasser & Associates, Inc. completed the sampling using the standard asbestos sampling protocol/techniques to minimize the creation of airborne fibers and standard sampling protocols for the collection of suspect samples. Lead-based paint samples were collected from large painted areas within one residential home. It should be noted that no significant areas of mold were observed during the site surveys. Sagasser & Associates, Inc. completed the following scope-of-work:

- Visually assessed the buildings on the three properties for suspect asbestos containing materials (SACM), LBP, and mold.
- Collected forty-six (46) bulk samples of the SACM which were submitted to SanAir Technologies Laboratory (SanAir) for analysis by EPA Method #600/R-16/116- Polarized Light Microscopy (PLM).

- Collected four (4) specific or composite paint samples from the various painted components of the residential home located on 5131 North Townline Road.
- Prepared a concise letter report detailing the results of the sampling and locations of the ACM, LBP and mold sampling results.

Residential Home – 1908 John Street - Asbestos Survey & Sampling

On August 27, 2020, Mr. Scot Egleston of Sagasser & Associates, Inc. completed an asbestos survey of the residential home and outbuildings for SACM. Each homogeneous SACM type was touched to determine its friability. The following building materials were identified as SACMs in the residential home: transite siding, two types of window glazing, 12”x12” floor tiles, 12”x12” ceiling tiles, drywall, two types of tar paper, roof shingles and sink undercoating. See *Table 1* for sample analytical results.



General views of residential home located at 1908 John Street.



View of asbestos-containing window glazing sample locations and asbestos-containing transite siding.



View of presumed asbestos-containing kitchen sink undercoating and 12"x12" floor tiles in bathroom.



View of 12"x12" ceiling tiles in bathroom and drywall sample location.



View of drywall sample locations.

Residential Home – 1908 John Street - Asbestos Analytical Results

The samples of all of the 12"x12" floor tiles, 12"x12" ceiling tiles, drywall, two types of tar paper and roof shingles were determined not to contain asbestos.

The transite siding and the two types of window glazing were determined to contain asbestos. The kitchen sink undercoating is presumed to contain asbestos.

Transite Siding ~ 950 ft²

Window Glazing ~ 2 ft²

Kitchen Sink ~4 ft²

A copy of the laboratory analytical report is attached.

Residential Home – 2887 Pine Grove Street - Asbestos Survey & Sampling

On August 27, 2020, Mr. Scot Egleston of Sagasser & Associates, Inc. completed an asbestos survey of the residential home for SACM. The shed building was locked and not accessible. No SACMs were readily observed on the exterior of the shed. Each homogeneous SACM type was touched to determine its friability. Only drywall and roof shingles were identified as SACMs in the residential home. *See Table 2 for sample analytical results.*



General view of residential home located at 2887 Pine Grove Street.



View of shed and interior view of drywall.



View of non-ACM drywall sample locations.

Residential Home – 2887 Pine Grove Street Asbestos Analytical Results

The samples of the drywall and roof shingles were determined not to contain asbestos.

A copy of the laboratory analytical report is attached.

Residential Home & Outbuildings – 1531 North Townline Road - Asbestos Survey & Sampling

On August 27, 2020, Mr. Scot Egleston of Sagasser & Associates, Inc. completed an asbestos survey of the residential home and outbuildings for SACM. It should be noted that a portion of the large outbuilding appears to be situated on a basement/crawl space with a small entry access. The basement/crawlspace represents a confined space and was not entered. Each homogeneous SACM type was touched to determine its friability. The following building materials were identified as SACMs in the residential home and outbuildings: transite siding, tar paper, window caulk, plaster, drywall, pipe wrap insulation, ceiling texture material, and roof shingles. *See Table 3 for sample analytical results.*



General views of residential home located at 1531 North Townline Road.



General views of outbuilding.



View of asbestos-containing transite panels.



View of non-asbestos window glazing and non-asbestos plaster.



View of non-asbestos drywall and asbestos-containing pipe wrap insulation.



View of asbestos containing pipe wrap insulation and non-asbestos ceiling texture material.

Residential Home & Outbuildings – 1531 North Townline Road Asbestos Analytical Results

The samples of the tar paper, roof shingles, drywall, and plaster (asbestos concentration below regulatory threshold of 1%) were determined not to contain asbestos.

The samples of the transite panels in the outbuilding and pipe wrap insulation in the basement of the residential home were determined to contain asbestos. The square/linear footage of the ACM present in the buildings is as follows:

Transite Panels – ~1,000 ft²

AirCell Pipe Wrap Insulation – ~25 linear feet*

(*AirCell pipe wrap insulation estimated due to a skunk in the basement.)

A copy of the laboratory analytical report is attached.

Residential Home – 1531 North Townline Road - Lead-Based Paint Sampling

Sagasser & Associates, Inc. completed the sampling of the various colors of paint on the building to determine if it contained lead above the regulatory limits. The burgundy paint was collected from the exterior, a composite sample collected from the family room/dining room, the bathroom, and northwest bedroom.



View of PS-1 & PS-2 paint composite sample locations.



View of PS-3 & PS-4 composite paint sample locations.

Paint Sample Analytical Results

The following details the paint sample lead analytical results:

PS-1 – 109,300 parts per million (ppm) / 10.93% by weight – Burgundy / Exterior

PS-2 – 466.7 ppm / 0.047% by weight – Composite / Dining Room-Family room

PS-3 – <85.6 ppm / <0.009% by weight – Blue / Bathroom

PS-4 – 6,406 ppm / 0.541% by weight – Beige / Northwest Bedroom

The Housing & Urban Development (HUD) definition of lead-based paint is 0.5% by weight / 1.0 mg/cm² / 5,000 ppm. Paint samples PS-1 & PS-4 were found to be above the HUD limit. Paint samples PS-2 & PS-3 were determined to be below the HUD limit for lead-based paint. *A copy of the laboratory analytical report is attached.*

Conclusions

Sagasser & Associates, Inc. has completed an Asbestos, Lead-Based Paint & Mold Survey of three residential properties located at 1908 John Street, 2887 Pine Grove Street, and 1531 North Townline Road in Otsego County, Michigan.

- Approximately 950 ft² of asbestos containing transite siding and approximately 2 ft² of window glazing was identified in the residential home located at 1908 John Street. The limited areas of painted building components were identified and no paint sampling was conducted. Additionally, no areas of mold were observed in the building. In a demolition, cementitious ACM (a.k.a. transite siding) cannot remain in a structure, as it is likely to become regulated in the demolition/handling process and must be removed prior to demolition. The window glazing is classified as a Category II non-friable ACM.
- No asbestos containing materials were identified in the residential home located at 2887 Pine Grove Street. No painted surfaces were identified. Only a small area of mold on drywall in the basement was observed.
- Approximately 1,000 ft² of transite panels located in the outbuilding and ~25 linear feet of pipe wrap insulation is located in the basement of the residential home located on North Townline Road. In a demolition, cementitious ACM (a.k.a. transite) cannot remain in a structure, as it is likely to become regulated in the demolition/handling process and must be removed prior to demolition. The pipe wrap insulation is friable and classified as a regulated asbestos-containing material (RACM) and must be removed prior to demolition.
- The exterior burgundy paint and beige paint located on/in the residential home located at 1531 North Townline Road was found to contain lead at concentrations above the HUD limit for lead-based paint.
- No significant areas of mold were observed in the residential home located at 1531 North Townline Road. The roof of the large outbuilding has been compromised and is open to the elements.

The NESHAP agency overseeing the Site needs to be notified in writing of the intention to demolish 10 days prior to the demolition.

Closing

Sagasser & Associates, Inc. sincerely appreciated the opportunity to provide our consulting services. If you have any questions regarding the contents of this report or require additional information, please contact our office at your convenience.

Respectfully Submitted,

Sagasser & Associates, Inc.



Scot Egleston
Senior Environmental Scientist
(Accreditation Number - A16147)



Kevin D. Sagasser, P.E.
Senior Project Engineer



Attachments: Tables & Laboratory Analytical Reports

Limitations and Exceptions

Sagasser & Associates, Inc. has performed the proposed scope of services using due care in accordance with good and customary practices, as ordinarily exercised by other reputable members of the profession under similar circumstances. Maps and sketches are provided for informational purposes and should not be considered surveys or engineering studies.

No sampling of metal, wood, materials identified as fiberglass, rubber or foam insulation, or materials not typically identified as suspect asbestos containing was conducted. Additionally, no sampling of any electrical wiring/ components was conducted and should be presumed to contain asbestos, if identified. Sagasser & Associates, Inc. collected three samples when practical of each identified miscellaneous materials and instructed the laboratory to analyze each sample set to the first positive samples. Thereby, not all of the bulk samples collected and submitted for laboratory analysis were analyzed and Sagasser & Associates, Inc. makes no representation as to the asbestos content of untested samples.

Samples were not collected from all painted surfaces in the building. The paint samples collected were from large painted areas which would represent the greatest exposure during demolition activities.

Additionally, areas/materials deemed to be not accessible without involving significant demolition activities and/or compromising the structural integrity of the building, were hidden, or unsafe were not assessed and Sagasser & Associates, Inc. makes no representation as to the presence or absence of asbestos containing materials in those areas/materials.



The Identification Specialists

Analysis Report
prepared for
Sagasser & Associates, Inc.

Report Date: 9/4/2020

Project Name: 1908 John Street

Project #: 82003

SanAir ID#: 20048715



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number
20048715
FINAL REPORT
9/4/2020 4:48:15 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1908 John Street
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Dear Scot Egleston,

We at SanAir would like to thank you for the work you recently submitted. The 21 sample(s) were received on Monday, August 31, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): TS-1.1, TS-1.2, TS-1.3, WC-1.1, WC-1.2, WC-1.3, WC-2.1, FT-1.1, FT-1.2, CT-1.1, CT-1.2, DW-1.1, DW-1.2, DW-1.3, TP-1.1, TP-1.2, TP-1.3, TP-2.1, TP-2.2, TP-2.3, RS-1.1.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 21 samples in Good condition.



SanAir ID Number

20048715

FINAL REPORT

9/4/2020 4:48:15 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1908 John Street
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: de la Sierra, Alice

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples TS-1.1 through TS-1.3, WC-1.1 through WC-1.3, WC-2.1, FT-1.1 through FT-1.2, and CT-1.1.

Analyst:

[Signature]

Approved Signatory:

[Signature]

Analysis Date: 9/4/2020

Date: 9/4/2020



SanAir ID Number

20048715

FINAL REPORT

9/4/2020 4:48:15 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1908 John Street
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: de la Sierra, Alice

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include CT-1.2 (Ceiling Tile), DW-1.1, DW-1.2, DW-1.3 (Drywall), TP-1.1, TP-1.2, TP-1.3, TP-2.1, TP-2.2, TP-2.3 (Tar Paper).

Analyst:

Approved Signatory:

Analysis Date: 9/4/2020

Date: 9/4/2020



SanAir ID Number
20048715
FINAL REPORT
9/4/2020 4:48:15 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1908 John Street
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: de la Sierra, Alice

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
RS-1.1 / 20048715-021 Tar Shingle	Black Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date:

9/4/2020

Date:

9/4/2020

Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
Chain of Custody
 Form 140, Rev 3, 8/28 19

San Air ID Number

20048715

Company: Sagasser & Associates, Inc.	Project #: 82003	Collected by: Scot Egleston
Address: 699 South Wisconsin Ave.	Project Name: 1908 John Street	Phone #: 989-732-5800
City, St., Zip: Gaylord MI 49735	Date Collected: 27 AUG 2020	Fax #:
State of Collection: MI Account#: 3463	P.O. Number:	Email: segleston@sagasser-associates.com

Bulk		Air		Soil	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600 R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	Vermiculite & Soil	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AIHRA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TFM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABBEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TFM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	Dust	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	New York ELAP		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
** Available on 24-hr. to 5-day TAT		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix Other	
Water		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		<input type="checkbox"/>
ABHE	EPA 100.2 <input type="checkbox"/>				

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
TS-1.1	transite / exterior walls				
TS-1.2	↓				
TS-1.3					
WC-1.1	caulk / exterior windows				
WC-1.2	↓				
WC-1.3					
WC-2.1	caulk / front exterior window				
FT-1.1	12x12 floor tile / Bathroom				
FT-1.2	↓				
CT-1.1	12x12 ceiling tile / Bathroom				
CT-1.2	↓				
DW-1.1	dry wall / kitchen				

Relinquished by	Date	Time	Received by	Date	Time
SRB	27 AUG 2020	1600	CB	8/31/20	9:50am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
Sagasser & Associates, Inc.

Report Date: 9/4/2020

Project Name: 2887 Pine Grove

Project #: 82003

SanAir ID#: 20048717



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number

20048717

FINAL REPORT

9/4/2020 12:49:13 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 2887 Pine Grove
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Dear Scot Egleston,

We at SanAir would like to thank you for the work you recently submitted. The 6 sample(s) were received on Monday, August 31, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): DW-1.1, DW-1.2, DW-1.3, RS-1.1, RS-1.2, RS-1.3.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 6 samples in Good condition.



SanAir ID Number
20048717
 FINAL REPORT
 9/4/2020 12:49:13 PM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
 Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 2887 Pine Grove
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: de la Sierra, Alice

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
DW-1.1 / 20048717-001 Drywall/ First Floor	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
DW-1.2 / 20048717-002 Drywall/ First Floor	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
DW-1.3 / 20048717-003 Drywall/ First Floor	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
RS-1.1 / 20048717-004 Roof Shingle/ Roof	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected
RS-1.2 / 20048717-005 Roof Shingle/ Roof	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected
RS-1.3 / 20048717-006 Roof Shingle/ Roof	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date: 9/4/2020

Date: 9/4/2020

Disclaimer

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Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 Fax 804.897.0070
 sanair.com

**Asbestos
 Chain of Custody**
 Form 140, Rev 3, 8/28/19

SanAir ID Number
 20048717

Company: Sagasser & Associates, Inc.	Project #: 82003	Collected by: Scot Egleston
Address: 699 South Wisconsin Ave.	Project Name: 2887 Pine Grove	Phone #: 989-732-5800
City, St., Zip: Gaylord MI 49735	Date Collected: 27 AUG 2020	Fax #:
State of Collection: MI Account#: 3463	P.O. Number:	Email: segleston@sagasser-associates.com

Bulk		Air		Soil	
ABB	PLM EPA 600-R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600 R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	Vermiculite & Soil	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABBIK	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABBEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	Dust	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	New York ELAP		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
** Available on 24-hr. to 5-day TAT		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix Other	
Water		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		<input type="checkbox"/>
ABHE	EPA 100.2 <input type="checkbox"/>				

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
DW-1.1	Drywall / first floor				
DW-1.2	↓				
DW-1.3					
RS-1.1	roof shingle / roof				
RS-1.2	↓				
RS-1.3					

Relinquished by	Date	Time	Received by	Date	Time
SW	27 AUG 2020	1600	CB	8/31/20	9:50am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
Sagasser & Associates, Inc.

Report Date: 9/8/2020

Project Name: 1531 North Townline

Project #: 82003

SanAir ID#: 20048713



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number
20048713
FINAL REPORT
9/8/2020 10:23:13 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Dear Scot Egleston,

We at SanAir would like to thank you for the work you recently submitted. The 19 sample(s) were received on Monday, August 31, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): TS-1.1, TS-1.2, TS-1.3, TP-1.1, TP-1.2, TP-1.3, WC-1.1, WC-1.2, WC-1.3, PL-1.1, PL-1.2, PL-1.3, DW-1.1, PI-1.1, PI-1.2, CTM-1.1, RS-1.1, RS-1.2, RS-1.3.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 1 samples in Discrepancy w/ COC condition. (#10)
- 18 samples in Good condition.



SanAir ID Number
20048713
 FINAL REPORT
 9/8/2020 10:23:13 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
 Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: Upshaw, Zoe

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
TS-1.1 / 20048713-001 Transite/ Out Bldg Ceiling	Grey Non-Fibrous Homogeneous		90% Other	8% Chrysotile 2% Crocidolite
TS-1.2 / 20048713-002 Transite/ Out Bldg Ceiling				Not Analyzed
TS-1.3 / 20048713-003 Transite/ Out Bldg Ceiling				Not Analyzed
TP-1.1 / 20048713-004 Tar Paper/ Ceiling Out Bldg	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected
TP-1.2 / 20048713-005 Tar Paper/ Ceiling Out Bldg	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected
TP-1.3 / 20048713-006 Tar Paper/ Ceiling Out Bldg	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected
WC-1.1 / 20048713-007 Window Caulk/ Exterior Windows	White Non-Fibrous Homogeneous		100% Other	None Detected
WC-1.2 / 20048713-008 Window Caulk/ Exterior Windows	White Non-Fibrous Homogeneous		100% Other	None Detected
WC-1.3 / 20048713-009 Window Caulk/ Exterior Windows	White Non-Fibrous Homogeneous		100% Other	None Detected
PL-1.1 / 20048713-010 Family Room, Drywall	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *[Signature]*

Analysis Date: 9/8/2020

Date: 9/8/2020



SanAir ID Number
20048713
 FINAL REPORT
 9/8/2020 10:23:13 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
 Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: Upshaw, Zoe

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
PL-1.2 / 20048713-011 Plaster/ Family Room	White Non-Fibrous Homogeneous		100% Other		< 1% Chrysotile
PL-1.3 / 20048713-012 Plaster/ Family Room, Plaster	White Non-Fibrous Homogeneous		100% Other		< 1% Chrysotile
PL-1.3 / 20048713-012 Plaster/ Family Room, Skim Coat	White Non-Fibrous Homogeneous		100% Other		None Detected
DW-1.1 / 20048713-013 Drywall/ Floor, Drywall	White Non-Fibrous Homogeneous	8% Cellulose	92% Other		None Detected
DW-1.1 / 20048713-013 Drywall/ Floor, Plaster	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Other		None Detected
DW-1.1 / 20048713-013 Drywall/ Floor, Skim Coat	White Non-Fibrous Homogeneous		100% Other		None Detected
DW-1.1 / 20048713-013 Drywall/ Floor, Texture	White Non-Fibrous Homogeneous		100% Other		None Detected
PI-1.1 / 20048713-014 Pipe Wrap Insulation/ Basement	Beige Fibrous Homogeneous		20% Other		80% Chrysotile
PI-1.2 / 20048713-015 Pipe Wrap Insulation/ Basement					Not Analyzed
CTM-1.1 / 20048713-016 Ceiling Texture Material/ Dining Room	White Non-Fibrous Homogeneous		100% Other		None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *[Signature]*

Analysis Date: 9/8/2020

Date: 9/8/2020



SanAir ID Number
20048713
 FINAL REPORT
 9/8/2020 10:23:13 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
 Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Analyst: Upshaw, Zoe

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
RS-1.1 / 20048713-017 Shingle/ Roof	Black Non-Fibrous Heterogeneous	25% Cellulose	75% Other	None Detected
RS-1.2 / 20048713-018 Shingle/ Roof	Black Non-Fibrous Heterogeneous	25% Cellulose	75% Other	None Detected
RS-1.3 / 20048713-019 Shingle/ Roof	Black Non-Fibrous Heterogeneous	25% Cellulose	75% Other	None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *[Signature]*

Analysis Date: 9/8/2020

Date: 9/8/2020

Disclaimer

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Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



1551 Oakbridge Dr. STE B
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 Fax 804.897.0070
 sanair.com

Asbestos
Chain of Custody
 Form 140, Rev 3, 8/28/19

SanAir ID Number
 20048713

Company: Sagasser & Associates, Inc.	Project #: 82003	Collected by: Scot Egleston
Address: 699 South Wisconsin Ave.	Project Name: 1531 North Townline	Phone #: 989-732-5800
City, St., Zip: Gaylord MI 49735	Date Collected: 27 AUG 2020	Fax #:
State of Collection: MI Account#: 3463	P.O. Number:	Email: segleston@sagasser-associates.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93.116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93.116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input checked="" type="checkbox"/>	ABA-2	OSHA w TWA*	<input type="checkbox"/>	Vermiculite & Soil		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	Dust		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	New York ELAP			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix Other		
Water			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
TS-1.1	transite/outbldg ceiling				
TS-1.2	↓				
TS-1.3	↓				
TP-1.1	TAR paper/ ceiling outbldg				
TP-1.2	↓				
TP-1.3	↓				
WC-1.1	WINDOW CAULK / exterior windows				
WC-1.2	↓				
WC-1.3	↓				
PL-1.1	plaster / Family room				
PL-1.2	plaster / kitchen				
PL-1.3	plaster / bedroom				

Relinquished by	Date	Time	Received by	Date	Time
SILCS	27 AUG 2020	1600	CS	8/31/20	9:50am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
Sagasser & Associates, Inc.

Report Date: 9/8/2020

Project Name: 1531 North Townline Rd

Project #: 82003

SanAir ID#: 20048718



1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number

20048718

FINAL REPORT

9/8/2020 9:53:41 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline Rd
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

Dear Scot Egleston,

We at SanAir would like to thank you for the work you recently submitted. The 4 sample(s) were received on Monday, August 31, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): PS-1, PS-2, PS-3, PS-4.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Abisola Kasali".

Abisola Kasali
Metals Laboratory Director
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis on Test Family AA
- Disclaimers and Additional Information

Sample conditions:

- 4 samples in Good condition.



SanAir ID Number
20048718
 FINAL REPORT
 9/8/2020 9:53:41 AM

Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
 Gaylord, MI 49735
Phone: 989-732-5800

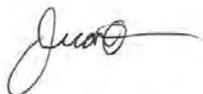
Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline Rd
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

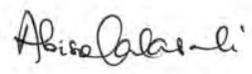
Analyst: Ortega, David
 Test Method: SW846/M3050B/7000B

Lead Paint Analysis

PAINT Sample	Description	µg Pb In Sample	Sample Size (grams)	Calculated RL	Sample Results	Sample Results
20048718 - 1	PS-1 Burgundy/ Exterior	12620	0.1155	86.6	109300 µg/g (ppm)	10.930 % By Weight
20048718 - 2	PS-2 Dining/ Family Room/ Composite	58	0.1251	79.9	466.7 µg/g (ppm)	0.047 % By Weight
20048718 - 3	PS-3 Blue/ Bathroom	< 10	0.1168	85.6	<85.6 µg/g (ppm)	<0.009 % By Weight
20048718 - 4	PS-4 Beige/ NW Bedroom	692	0.108	92.6	6406 µg/g (ppm)	0.641 % By Weight

Method Reporting Limit <10 µg/0.1 g paint

Signature: 
 Date: 9/1/2020

Reviewed: 
 Date: 9/1/2020



Name: Sagasser & Associates, Inc.
Address: 699 South Wisconsin Avenue
Gaylord, MI 49735
Phone: 989-732-5800

Project Number: 82003
P.O. Number:
Project Name: 1531 North Townline Rd
Collected Date: 8/27/2020
Received Date: 8/31/2020 9:50:00 AM

SanAir ID Number
20048718
FINAL REPORT
9/8/2020 9:53:41 AM

Disclaimer

SanAir Technologies Laboratory, Inc. participates in the Environmental Lead Accreditation Program (ELAP) administered by AIHA-LAP, LLC (Lab ID162952). Refer to our accreditation certificate or www.aihaaccreditedlabs.org for an up to date list of the Fields of Testing for which we are accredited. SanAir also participates in the State of New York's DOH-ELAP (Lab Id 11983), and has met the EPA's NLLAP program standards. This report does not constitute endorsement by AIHA-LAP, LLC and/or any other U.S. governmental agencies; and may not be accredited by every local, state or federal regulatory agency.

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Lead Exposure Limits

Paint

0.5% by weigh HUD definition of lead based paint
1.0 mg/cm²
5000 ppm



1551 Oakbridge Dr STE B
 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

**Metals & Lead
 Chain of Custody**
 Form 70, Revision 10, 05/18/18

SanAir ID Number
 20048718

Company: Sagasser & Associates, Inc.	Project #: 82003	Phone #: 989-732-5800
Address: 699 South Wisconsin Avenue	Project Name: 1531 North Townline Rd	Phone #:
City, St., Zip: Gaylord MI 49735	Date Collected: 27 AUG 2020	Fax #:
Samples Collected By: SRE	P.O. Number:	Email: segleston@sagasser-associates.com
Account #: 3463	U.S. State Collected in: MI	Email:

Matrix Types

Metals Analysis Types

<input type="checkbox"/> Air (ug/m ³)	Total Concentration of Lead <input checked="" type="checkbox"/>	ICP-total concentration of metals (please list metals):		
<input type="checkbox"/> Wipe (ug/ft ²)	Total Concentration of RCRA 8 Metals <input type="checkbox"/>			
<input checked="" type="checkbox"/> Paint <input type="checkbox"/> Soil <input type="checkbox"/> Bulk (ug/g or ppm)	TCLP for Lead <input type="checkbox"/>			
<input type="checkbox"/> Other:	TCLP for RCRA 8 Metals <input type="checkbox"/>			
Turn Around Time	Same Day <input type="checkbox"/>	1 Day <input type="checkbox"/>	2 days <input type="checkbox"/>	3 Days <input type="checkbox"/>
	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> Standard (5 day)	<input type="checkbox"/> Other Test:	

Sample #	Collection Date & Time	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) Area (Sq ft)
PS-1	27 AUG 2020	BUSUNNY / EXTERIOR				
PS-2	↓	DINING / FAMILY ROOM / COMPOSITE				
PS-3		BLUE / BATHROOM				
PS-4		BEIGE / NEW BEDROOM				

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	27 AUG 2020	1600	<i>[Signature]</i>	8/31/20	9:50am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.