

CHEROKEE NATION
Environmental Programs



Asbestos Sampling Report

PARTICIPANT: WHITE, RICK

PREPARED BY: Logan Girty **DATE:** 2/7/2025
LOGAN GIRTY. ENVIRONMENTAL SPECIALIST III

REQUESTED BY: HACN HOUSING REHABILITATION (HUD) –
GEORGE HUBBARD

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I. Site Inspection/Description

Cherokee Nation Environmental Programs (CNEP) has conducted asbestos sampling for the presence of asbestos containing materials (ACM) for the following site:

Rick White
396701 W 1400 Rd, Dewey, OK 74029
918-960-8165
Coordinates: 36.8144 / -95.9404

The sampling was performed to determine the presence of all ACM from within the affected parts of the structure for EPA's National Emissions of Hazardous Air Pollutants (NESHAP) compliance as well as OSHA worker protection.

The inspector responsible for this project was:

Logan Girty, AHERA Inspector

The sampling was conducted on January 31, 2025 at the request of the Cherokee Nation Housing Rehabilitation Department.

The site is a single family home built in 1979. Sampling was limited to areas that would be affected by the project scope of work (Appendix A) provided by the housing rehabilitation department.

ACM was found at this site. See Section IV for locations.

II. BACKGROUND

The Oklahoma Department of Environmental Quality (ODEQ) has adopted EPA's NESHAP regulation under OAC252:100, 41-15 and has been delegated authority in the state of Oklahoma for its enforcement. Section 61.145(a) of Federal EPA regulation states that prior to commencement of the demolition or renovation of a facility a thorough inspection of the affected part or parts of a facility is required to determine the presence of all asbestos including Category I and Category II non-friable, and friable ACM. ACM is defined by EPA and OSHA as any material that contains greater than 1% asbestos.

III. FIELD PROCEDURES AND ANALYTICAL METHODS

During the on-site inspection, we visually assessed the physical characteristics of suspect asbestos-containing materials (SACM) based on homogeneous areas. Homogeneous areas are areas of asbestos similar in color, texture, and construction, date of application, and in general

appearance. For purposes of renovation and demolition, homogeneous areas of SACM can be further classified according to NESHAPs rules by whether the material is friable, Category I non-friable, or Category II non-friable.

Friable ACM is defined by NESHAPs rules as any material containing more than 1% asbestos as determined by Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.

Category I Non-friable ACM is defined by NESHAPs rules as any asbestos-containing packings, gaskets, construction mastics, resilient floor covering (i.e. floor tiles, roll sheet flooring) or asphalt roofing products that contain more than 1% asbestos as determined by PLM.

Category II Non-friable ACM is defined by NESHAPs rules as any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined by PLM, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Typically, non-friable materials, such as transite (cementitious products) and vinyl floor tiles are not regulated by the State of Oklahoma provided they do not become friable. General deterioration, machine grinding, drilling, sanding, and dry-buffing are all ways of causing non-friable materials to become classified as Regulated Asbestos Containing Materials (RACM). All friable materials are classified RACM. Please note that the following materials, even though classified as non-friable are fully regulated by Oklahoma Department of Labor for removal purposes as friable material: ceiling tiles, roll sheet flooring (linoleum), and joint wall compound when deemed friable

In addition to classification of suspect material into friable and non-friable materials, a determination of current condition was conducted as part of the physical assessment. The condition noted is the representative of the material at the time of inspection. Conditions of materials can change very quickly when disturbed. All suspect material was placed in one of the following categories of condition.

Significantly damaged: Material that is damaged, blistered, deteriorated, water stained over at least 10% of its total area.

Damaged: Material that is damaged, blistered, deteriorated, water stained less than 10% of its total area.

Good: Material that has no visible damage or deterioration.

Guidelines used for the number of samples collected per homogeneous area were determined using the Asbestos Hazard Emergency Response Act (AHERA) protocol promulgated in 40 CFR 763, Appendix E as follows:

Surfacing materials – material that is sprayed or troweled on wall, ceilings, or support columns for fireproofing, acoustical, or even decorative purpose.

- Less than 1000 ft² – Minimum 3 samples
- From 1000-5000 ft² – Minimum 5 samples
- Greater than 5000 ft² – Minimum 7 samples

Thermal System Insulation (TSI) materials – thermal system insulation material applied to tanks, boiler, pipes or other structural component for an insulating purpose.

- May omit areas of fibrous glass, foam glass, rubber, and Styrofoam from sampling. Areas that have mastic on seams or outer jacketing will be sampled.
- At least three samples must be collected from each homogeneous area of TSI.
- Plus an additional sample from each patched area of less than 6 linear feet.
- Fittings require a sufficient amount to determine positive or negative nature.
- Inspector will first collect samples from damaged areas, exposed ends, or areas missing jacketing first.

Miscellaneous materials – all other material that are not thermal system insulation or surfacing materials. This includes gaskets, packings, joint wall compound, cementitious asbestos materials, ceiling tiles resilient flooring materials, construction mastics, etc..

- May assume and document as such
- A sufficient amount of samples to determine negative or positive nature. A minimum or one per suspect homogeneous area.
- Collect samples from inconspicuous locations.
- Material such as cementitious asbestos or vibration dampening cloths should not be sampled and will be assumed ACM unless instructed by client to collect these samples.

Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) in accordance with EPA Methods 600R-93/116. All samples were sent to a NVLAP accredited laboratory for analysis. QuanTEM Laboratories, LLC (NVLAP # 101959-0) in Oklahoma City, OK analyzed the samples. A copy of the full laboratory report and chain of custody can be found in Appendix B.

IV. SUMMARY OF FINDINGS

A total of 3 samples were analyzed from 3 homogeneous areas due to multi-layers of material within some homogeneous sample areas. All accessible and observable areas within the renovation area were sampled for ACM. Samples were not taken of suspect materials that may have placed the inspector at risk of injury (i.e. electrical panel boxes). Any suspect ACM that have not been tested and/or found positive for asbestos must be assumed ACM until they are analyzed. Upon review of laboratory analysis, the following asbestos containing materials can be found in Table 1. All suspect ACM samples that were analyzed and did not contain asbestos can be found in Table 2.

Table 1. Asbestos Containing Materials					
Sample #	Material Description	Locations	Friability (Friable, NF Cat I NF Cat II)	Condition	Sample Results (% Asbestos)
01-01	Vinyl Composition Tile	Living Room	NF Cat I	Damaged	3% Chrysotile
01-01	Black Mastic	Living Room	NF Cat I	Damaged	8% Chrysotile

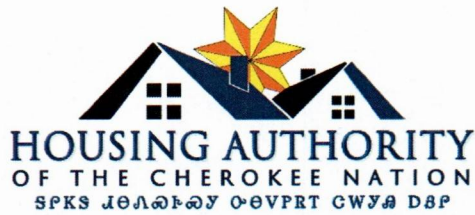
Table 2. Non – Asbestos Containing Materials				
Sample #	Material Description	Locations	Condition	Sample Results (% Asbestos)
03-01	Vinyl Flooring	Kitchen	Damaged	None Detected
04-01	Vinyl Flooring	Bedrooms	Damaged	None Detected

V. CONCLUSIONS

Asbestos is not always an immediate hazard. Intact and undisturbed ACM does not pose a health risk. They may, however become a health hazard if they are damaged, disturbed, or deteriorate over time and release fibers into the air. There are no federal, state, or Tribal laws mandating asbestos removal. It is only when the material can no longer be maintained in good condition and/or airborne concentrations of asbestos are measured and found to be above a permissible exposure limit (PEL), or when the building is to be demolished or renovated, that removal may become necessary. Any renovation/demolition work which may impact these positive materials should be conducted in accordance with all applicable Federal, state, and local regulations.

APPENDIX A.

PROJECT SCOPE OF WORK



Cherokee Nation Environmental Programs
Environmental Review Request
Tribal Rehab Program

Environmental Screen

Lead-Based Paint

Asbestos

Requesting Program: **Housing Rehab**

Program Contact Name: **Jamie Walters**

Program Contact Phone: **(918) 456-5482**

Program Contact Email: **jamie.walters@hacn.org**

Date of Request: **12/16/2024**

Funding Source: **HAF**

Name of Participant: **Rick White**

Participant Phone: **(918) 960-8165**

Year structure was built: **1979**

Physical Address: **396701 W. 1400 Rd. Dewey, OK. 74029**

County: **Washington**

Please Attach:
Work Write-Up and Bid Document
HACN Housing Rehab
Deed



When complete, please click the Cherokee Nation Seal to submit this form to Cherokee Nation Environmental Programs. Thank you.

Work Write-Up and Bid Document/By Trade

Rick White

396701 W 1400 Rd Dewey, OK 7-4029
 (918) 960-8165

Contractor Name:

Contractor Signature:

This document must be signed to be a valid bid.

PROJECT TYPE: Rehabilitation

Bid Due Date:

Trade	Work Description / Comments	Gen. Spec.	Qty Unit	Item Bid
<u>Carpentry</u>				
1	Area: HALLWAY #1 HVAC Equipment Closet/ Frame Equipment Platform for new equipment installation. sheet rock inside and outside of closet. Install a door, and knob. Paint two coats. Build a closet from hallway back into bedroom #2 where door is with a return air under door in hallway	Div.# 6.HH.	9 SF	
<u>Drywall & Finish</u>				
2	Area: BEDROOM #2 Mud & Tape/Ceiling/Wall Repair. Repair ceiling/wall Mud & Tape and re-apply new texture-match existing. On new HVAC closet	Div.# 9.F	48 SF	
3	Area: INTERIOR Mud & Tape/Ceiling/Wall Repair. Repair ceiling/wall Mud & Tape and re-apply new texture-match existing. Repair mud on ceilings and texture with mud	Div.# 9.F	1175 SF	
<u>Electrical</u>				

<i>Trade</i>	<i>Work Description / Comments</i>	<i>Gen. Spec.</i>	<i>Qty Unit</i>	<i>Item Bid</i>
<u>Electrical</u>				
4	Area: EXTERIOR Overhead Wiring/Install new Overhead Service Cable to the house and into the 200 Amp service panel. Add 1 pole on on service wire running to house to raise wire from roof. Service wire does not need replaced	Div.# 13.D. 12	20 LF	<input type="text"/>
<u>Flooring</u>				
5	Area: INTERIOR Vinyl Sheet Flooring/Install new vinyl floor covering & shoe mold. Minimum 12 mil wear layer and 10 year manufacturer year warranty. Use a heavy floor roller over new flooring Remove old tile and vinyl before installing new	Div.# 9.L	157 SY	<input type="text"/>
<u>HVAC</u>				
6	Area: HVAC HVAC EQUIPMENT/ ELECTRIC UNIT 3.5 TON/13 SEER. Electric Heat & A/C; Requires all Return Air, Registers , all necessary Electrical Wiring for a complete installation. Includes all new duct work plenum and thermostat. Size unit to Sq footage of house	Div.# 12	1 Ea	<input type="text"/>
<u>Paint & Finish</u>				
7	Area: INTERIOR Ceiling/Drywall/Paint ceiling--drywall/Two coats.	Div.# 9.N.3	1410 SF	<input type="text"/>
8	Area: BEDROOM #2 Walls/Paint walls / Two coats. On outside of new closet	Div.# 9.N.3	48 SF	<input type="text"/>
<u>Plumbing</u>				

<i>Trade</i>	<i>Work Description / Comments</i>	<i>Gen. Spec.</i>	<i>Qty Unit</i>	<i>Item Bid</i>
Plumbing				
9 Area: BATHROOM #1				
	Commode/High Rise/Handicap /Replace commode with new high rise/Handicap commode with Seat & two (2) grab bars. include new shutoff, supply line and wax ring. Examine condition of the flange and report if damaged. Consult owner for location of grab bars	Div.# 16.C.	1 Ea	<input type="text"/>
10 Area: KITCHEN				
	Faucet/Kitchen/Single Handle. Replace kitchen faucet with new single handle faucet, drain lines,supply lines & shutoffs. Delta.	Div.# 11.A	1 Ea	<input type="text"/>

Total:

All construction shall be in accordance with local codes, manufacturers' recommended installation procedures, good quality workmanship practices, General Specifications and Lead-Based Paint requirements when applicable. Conflicts between requirements will be resolved by compliance with the more stringent requirement. Contractor awarded the job will be responsible for conducting safe work practices that comply with OSHA Construction Standards for Asbestos Workers. Asbestos report, where required, will be attached if areas tested are 1% or greater. See attached Asbestos Sampling Report for location and testing of Planned Work Activities.

Work Write-Up and Bid Document/By Trade

Rick White

396701 W 1400 Rd Dewey, OK 7-4029
(918) 960-8165

Contractor Name:

Contractor Signature:

This document must be signed to be a valid bid.

PROJECT TYPE: Rehabilitation Bid Due Date:

Trade	Work Description / Comments	Gen. Spec.	Qty Unit	Item Bid
<u>Plumbing</u>				
1	Area: PROFESSIONAL SERVICE Soil Percolation Test / Soil Profile Test/ Conduct a soil percolation test or soil profile test to determine the type of sewage system required.	Div.# 11. A	1 Ea	

All construction shall be in accordance with local codes, manufacturers' recommended installation procedures, good quality workmanship practices, General Specifications and Lead-Based Paint requirements when applicable. Conflicts between requirements will be resolved by compliance with the more stringent requirement. Contractor awarded the job will be responsible for conducting safe work practices that comply with OSHA Construction Standards for Asbestos Workers. Asbestos report, where required, will be attached if areas tested are 1% or greater. See attached Asbestos Sampling Report for location and testing of Planned Work Activities.

Total:

HACN HOUSING REHAB SITE DIRECTIONS

Name: Rick White

Telephone: (918)960-8165

Address: 396701 W 1400 Rd
Dewey, OK 74029

County: Washington

Year Built: 1971

2-Bedroom

GPS Coordinates: 36.81448,-95.94041 **Drive Time:** 2hr



Directions: From Cherokee Nation, From Us-75 in Dewey turn west on W 1400 Rd go 0.3 mi house is on the left

Maurice Gifford 918-506-9860
Cost Estimator/Inspector

11/18/24
Date

APPENDIX B.
LABORATORY RESULTS
&
CHAIN OF CUSTODY



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 376150	Client: Cherokee Nation Environmental Programs
Account Number: C162	Logan Girty
Date Received: 02/04/2025	PO Box 948
Received By: Baylie Puga	Tahlequah, OK 74464
Date Analyzed: 02/05/2025	Project: Rick White
Analyzed By: Tanner Smith	Project Location: Dewey
Methodology: EPA/600/R-93/116	Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	01-01	Layered	Brown Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
001a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
002	03-01	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30 Glass Fiber 5	CaCO3 Vinyl
002a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
003	04-01	Layered	Green Floor Tile	Asbestos Not Present	Synthetic 5	Vinyl CaCO3
003a		Layered	Clear Mastic	Asbestos Not Present	NA	Glue

Tanner Smith, Laboratory Analyst

2/5/2025

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA—40 CFR Appendix E to Subpart E of Part 763 and EPA/600/R-93/116 methods.

This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.

This report may not be reproduced except in full, without the written approval of the laboratory.



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 376150
 Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Cherokee Nation Environmental Programs Phone: (918) 453-6140 Contact: Logan Girty Cell Phone: (918) 772-8346 Account #: C 162 E-mail: logan-girty@cherokee.org SAMPLED BY: Name: Logan Girty Date: 1/31/2025		Project Information Project Name: Rick White Project Location: Dewey Project ID: P.O. Number: 896007	
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RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>Logan E. Girty</i>	FedEx	<i>[Signature]</i>	2/4/25 8:40

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	01-01	<input checked="" type="checkbox"/>	VCT		Living Rm
2	03-01	<input checked="" type="checkbox"/>	Roll Sheet Vinyl Floor		Kitchen
3	04-01	<input checked="" type="checkbox"/>	Vinyl Floor Tile		Bedroom
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
 Please Note - UPS and USPS are NOT available for Saturday Delivery