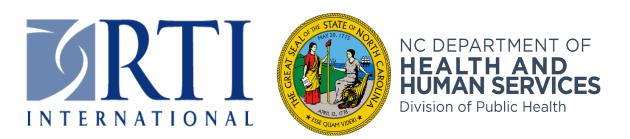


An Expansion of the Clean Water for Carolina Kids Program

Lead and Asbestos Program







Lisa Greene

Senior Director, Mircoanalytical Sciences, RTI International

AJ Kondash

Research Environmental Scientist, RTI International

Melanie Napier

Public Health Epidemiologist, Division of Public Health, Children's Environmental Health

North Carolina Department of Health and Human Services

Jeff Dellinger

Industrial Hygiene Consultant Supervisor
Division of Public Health, Environmental Health Section

NC DHHS has been contracting with RTI International since 2020 for the Clean Water for Carolina Kids program to identify and eliminate exposure to lead in water at licensed child care facilities across NC.



Clean Water For Carolina Kids[™]



This work is being expanded to the Clean <u>Classrooms</u> for Carolina Kids program to identify and restrict or mitigate exposure to <u>lead in water</u>, <u>lead-based paint</u>, <u>and asbestos</u> hazards at <u>public schools and child care facilities</u> across NC.

Agenda

- 1) Lead and Asbestos Background
- 2) Clean Water for Carolina Kids Summary
- 3) Program Overview
- 4) Participation
 - Water
 - Lead-Based Paint and Asbestos
- 5) Preparing for Enrollment
- 6) Questions





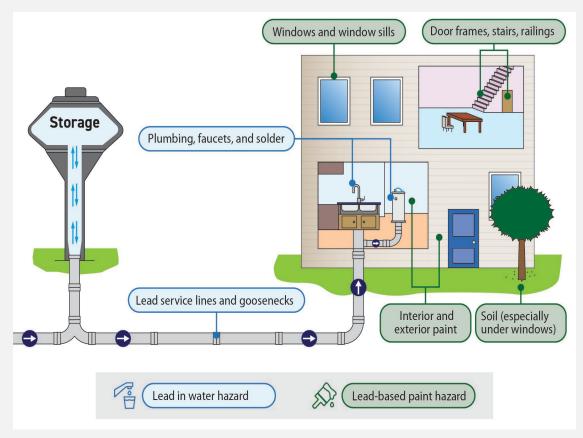


Lead and Asbestos Background

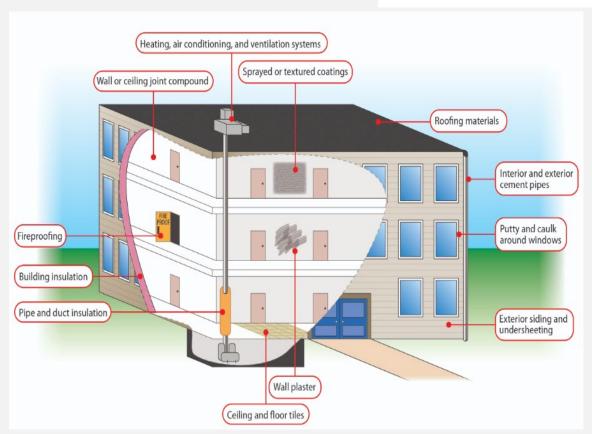
Occurrence, Health Effects of Exposure, Rules, Funding, and Program Organization



Lead and Asbestos Occurrence in Buildings



Lead use in paint, especially before 1978 ban **Lead use in water infrastructure** (federal restrictions in effect in 1988 and 2014)



Asbestos use in building materials, especially before 1988

Exposure to lead and asbestos is a public health concern, especially for children

There is no safe level of lead or asbestos exposure

Health effects from **lead exposure** include:



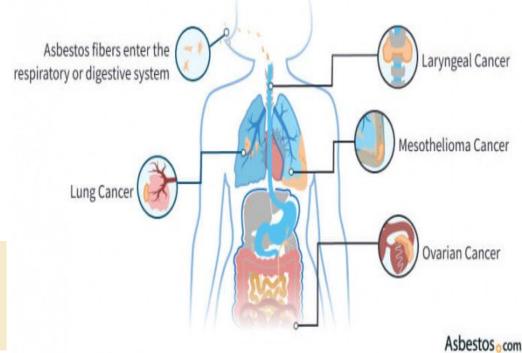


speech problems



and nervous system

the likelihood of several cancers:



Health effects from **asbestos exposure** increases

This can cause irreversible, lifelong, and cumulative effects

- Lower IQ
- Decreased ability to pay attention
- Underperformance in school



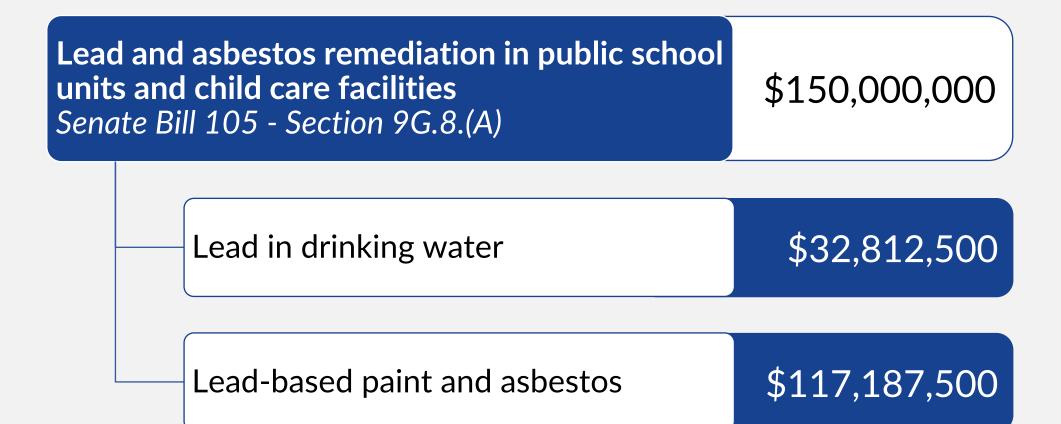
NC Rule Requirements

NC 10A NCAC 41C.1001-1007 NC 154A NCAC 18A.2816

As this is a legislatively mandated effort to address lead and asbestos hazards in public schools and child care centers, NC facilities are required by law to make sure all requirements are met.

- 1. Test for lead in drinking/cooking water (.1005 and .2816)
- 2. Identify lead-based paint hazards (.1004)
- 3. Identify asbestos hazards (.1003)
- 4. Mitigate or restrict any hazards identified
 - a) Water mitigation is included (fixture replacements and filters)
 - b) Reimbursement for lead-based paint and asbestos mitigation (fully for child care facilities and 2/3 reimbursement for schools)

American Rescue Plan Act (ARPA) funds are allocated to address lead and asbestos



Program Organization and Support

- Contract Management: NC DHHS
- Program Management: RTI
 - Lead in Drinking and Cooking Water Testing and Mitigation
 - <u>Lead-Based Paint</u> Risk Assessments and Testing
 - <u>Asbestos</u> Inspections, Re-inspections, and Testing
 - Overall program management
- Liaisons
 - NC Department of Public Instruction (NC DPI)
 - NC Division of Child Development and Early Education (DCDEE)
- Lead-based paint/Asbestos Mitigation:
 - Facilities choose to restrict or mitigate any identified hazards
 - Facilities submit reimbursement request to the NC DHHS Health Hazards Control Unit (HHCU) ARPA reimbursement fund







Clean Water for Carolina Kids

Lightning Summary



Why RTI?



For this program, we are building off our award-winning, community-engaged approach to improve children's environmental health in child care and school facilities.



2020 Harvard University Roy Award for Environmental Partnership



2020 EBJ Business Achievement Award for Project Merit



Retirement Services • Investments

2021 Community Partnership Award - Recognizing People Working Together to Build Better Communities

Our Approach





Clean Water for Carolina Kids Program findings

4,614 child care facilities

25,331 samples

75% samples and 92% facilities with detectable lead (0.1 part per billion (ppb) or above)

12% facilities and 3.4% samples with tap > 10 ppb

Significant variation in lead by tap within same building

Lead in Water by Outlet Type

1 in 5

3 in 100

above 1 ppb

above 10 ppb

Water fountains

1 in 3

4 in 100

above 1 ppb

above 10 ppb

Kitchen, cafeteria, food sinks





Program Overview





Objective:

To identify and eliminate exposure to lead and asbestos hazards where North Carolina children learn and play

Program Participation

- Free testing/inspections: lead in drinking and cooking water, lead-based paint, and asbestos
- Free water mitigation (fixtures, filters)
- Meets all rule requirements
- Cost reimbursement for qualified leadbased paint and asbestos abatement for centers and 2/3 of school costs





Who is included in the rule requirement and covered with the available funding?



Licensed Child Care Centers



Family Child Care Homes



Public Schools, including Charter Schools

Outreach Prioritization

Prioritization is based on risk factors for lead and asbestos occurrence, health effects of exposure, and funding need.

Criteria:

- Child care centers and elementary school facilities
- >50% of students receive free and reduced lunch
- >50% of students are non-white
- Building built prior to 1988

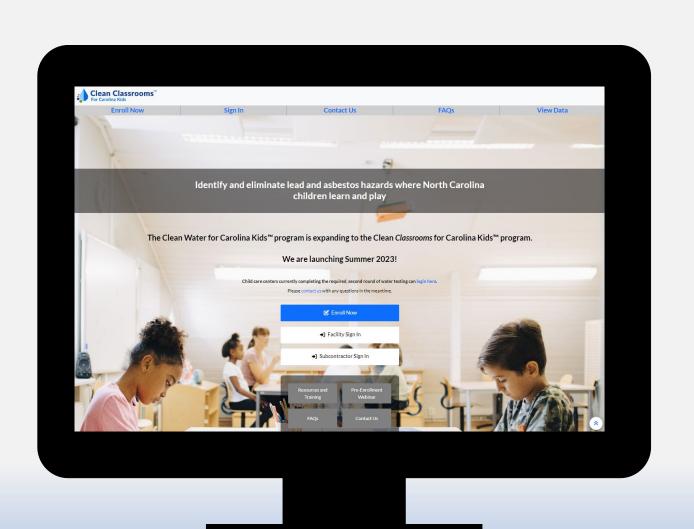
Priority	Criteria			
1 (Highest priority)	Meet 4/4			
2	Meet 3/4			
3	Meet 2/4			
4	Meet 1/4			
5 (Lowest priority)	Meet 0/4			

Facilities will receive an email to enroll with RTI from the North Carolina Division of Child Development and Early Education (for child care centers) or NC Department of Public Instruction (for public schools).

Online Enrollment Process

- 1) Attend a pre-enrollment webinar to receive the pin to enroll online at www.cleanwaterforUSkids.org/carolina
- 2) Watch the video training to help you complete the three surveys for lead in water, lead-based paint, and asbestos, respectively.
- 3) We will notify you about next steps once you submit your enrollment surveys from:

Clean Water for US Kids <noreply@cleanwaterforuskids.org>





Water Participation





Requirements & Support



State Requirements

- □ Collect water samples using EPA 3Ts
 - we provide training and instructions
- ☐ Restrict access to taps exceeding state action level
 - we provide sign templates and instructions
- Make results available for taps above lead action level
 - online facility data mapper and communication toolkit available



Program Support

- ✓ RTI provides mail-out sample kits and pre-paid return mailing labels
- ✓ RTI analyzes samples
- ✓ RTI returns results with recommended next steps
- ✓ RTI makes results available online after 5 business days
- ✓ RTI provides ongoing communication support



- ✓Install Faucet Fixtures
- ✓ Install Water Fountains with Bottle Fillers and Built-In Filter
- ✓ Install Certified Filters

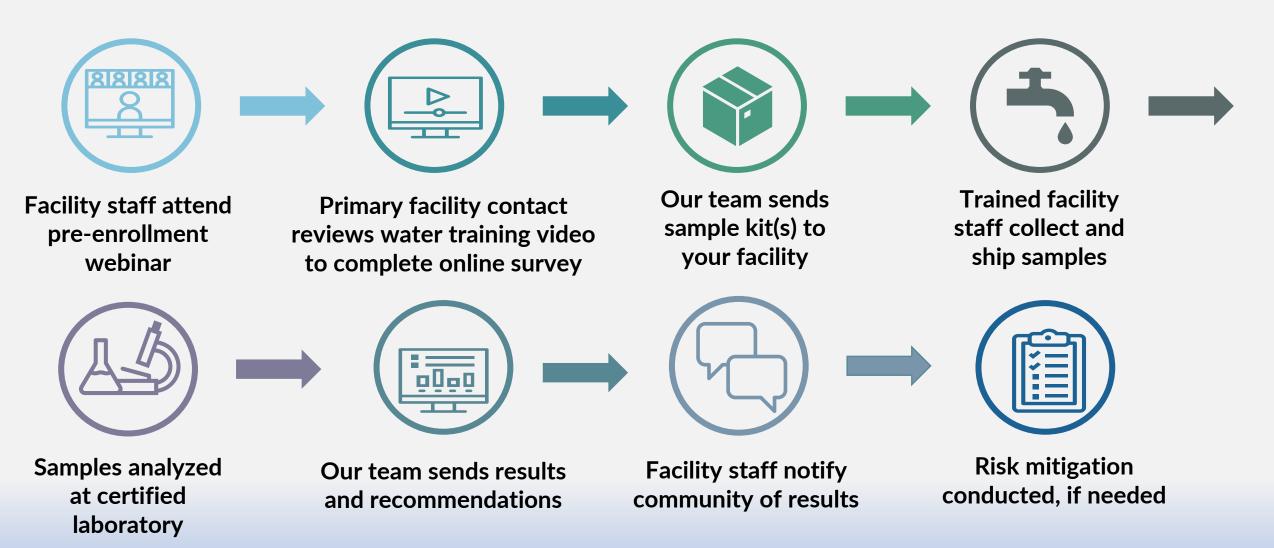
Not Included:

- Water Filter Maintenance
- Piping Or Plumbing Changes
- Lead Service Line Replacement (LSLR)*

*Facilities should connect with utility and state Department of Environmental Quality if needed



Overview of Section



Share participation plans with community throughout the process (see communication toolkit)



Who should enroll your facility?



One or more staff familiar with facility's building layout.



Staff who will collect and ship water samples properly.



What Information is Needed?



Building Information

Student Demographics

Drinking and Cooking Taps

(Name and Location)

Other Taps in Facility

(Number)

Taps with Water Filters

(Tap Name and Filter Type/ Brand)

Drinking Water Supply



Results Reporting By Facility and Program





Facility Data Mapper

Type address, name, or look by county to see results by facility and tap along with risk mitigation actions

Program Results Summary



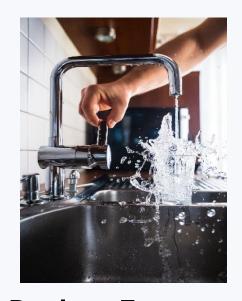




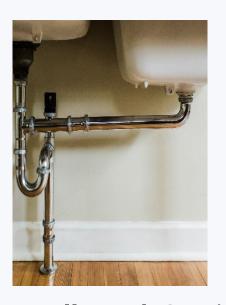
Water Mitigation (for taps > 10 ppb)



Restrict Tap
Turn it off, tape handle, and post Do Not Use sign



Replace Faucet Fixture or Water Fountain



Install Lead-Certified Water Filter installed on critical taps



Follow-Up Testing for taps \geq 150 ppb

3

Post-Mitigation Water Sampling

- Local health or regional environmental health specialist will coordinate onsite visit to collect post-mitigation samples for the mitigated tap(s)
- Samples sent directly to state lab for analysis
- Facility staff need to only coordinate the onsite visit
- Results shared with facility and available online after 5 business days
- If water is still > 10 ppb lead, facility should post "do not use" signage and await additional support
- When needed, share results with your utility and the NC Department of Environmental Quality to consider additional funding support with NC Drinking Water State Revolving Fund
- Individualize our Drinking Water Management Plan template for your facility (e.g., plans to flush water after breaks and maintain any water filters)





If Water Mitigation Needs Exceed Funds



If there are insufficient resources to complete the double barrier approach at all outlets exceeding the NC hazard level statewide, we will help facilities reduce the number of designated drinking taps and use water fountains with a built-in bottle filler/ filter.



If post-mitigation results are still above the North Carolina hazard level, facilities will receive guidance about checking for LSLs, a referral to the NC Drinking Water State Revolving Fund, and information about bottled water usage, as building plumbing and LSL replacement will not be covered under the program.



Facilities may also receive guidance to develop a Drinking Water Management Plan for maintaining installed water filters to ensure lead-free drinking water over time.



Aid to Counties to Support the Program

Counties	Population < 18 years	Weight	Allocation (\$3K min)	Counties	< 18 years	Weight	(\$3K min)		Counties	years	Weight	Allocation (\$3K min)		Counties	18 years	Weight	Allocation (\$3K min)
ALAMANCE	37,711	1.64%	\$16,432	CUM BERLAND	82,678	3.60%	\$33,504		JOHNSTON	54,432	2.37%	\$22,058		RANDOLPH	32,006	1.39%	\$13,946
ALEXANDER	7,252	0.32%	\$3,160	CURRITUCK	6,154	0.27%	\$3,000		JONES	1,669	0.07%	\$3,000		RICHM OND	9,878	0.43%	\$4,304
ALLEGHANY	1,851	0.08%	\$3,000	DARE	6,903	0.30%	\$3,008		LEE	14,999	0.65%	\$6,535		ROBESON	28,783	1.25%	\$12,542
ANSON	4,367	0.19%	\$3,000	DAVIDSON	36,658	1.60%	\$15,973		LENOIR	12,347	0.54%	\$5,380		ROCKINGHAM	18,310	0.80%	\$7,978
ASHE	4,624	0.20%	\$3,000	DAVIE	8,927	0.39%	\$3,890		LINCOLN	18,317	0.80%	\$7,981		ROWAN	32,459	1.41%	\$14,144
AVERY	2,617	0.11%	\$3,000	DUPLIN	11,594	0.51%	\$5,052		MACON	6,811	0.30%	\$0		RUTHERFORD	13,082	0.57%	\$0
BEAUFORT	8,841	0.39%	\$3,852	DURHAM	66,266	2.89%	\$26,853		MADISON	3,709	0.16%	\$3,000		SAMPSON	14,346	0.63%	\$6,251
BERTIE	3,121	0.14%	\$3,000	EDGECOMBE	11,003	0.48%	\$4,794		MARTIN	4,450	0.19%	\$3,000		SCOTLAND	7,894	0.34%	\$3,440
BLADEN	6,010	0.26%	\$3,000	FORSYTH	86,848	3.78%	\$35,194		MCDOWELL	8,916	0.39%	\$0		STANLY	13,438	0.59%	\$5,856
BRUNSWICK	20,094	0.88%	\$8,756	FRANKLIN	14,949	0.65%	\$6,514		MECKLENBURG	259,907	11.33%	\$105,323		STOKES	8,236	0.36%	\$3,589
BUNCOMBE	49,040	2.14%	\$19,873	GASTON	51,059	2.22%	\$20,691		MITCHELL	2,727	0.12%	\$3,000		SURRY	14,914	0.65%	\$6,499
BURKE	16,113	0.70%	\$7,021	GATES	2,117	0.09%	\$3,000		MONTGOMERY	5,588	0.24%	\$0		SWAIN	3,106	0.14%	\$0
CABARRUS	57,354	2.50%	\$23,242	GRAHAM	4,444	0.19%	\$3,000		MOORE	21,342	0.93%	\$0		TRANSYLVANIA	5,080	0.22%	\$3,000
CALDWELL	16,050	0.70%	\$6,993	GRANVILLE	12,503	0.54%	\$5,448		NASH	20,703	0.90%	\$9,021		TYRRELL	587	0.03%	\$3,000
CAMDEN	2,340	0.10%	\$3,000	G REENE	4,070	0.18%	\$3,000		NEW HANOVER	41,078	1.79%	\$17,899		UNION	62,902	2.74%	\$25,490
CARTERET	11,642	0.51%	\$5,073	GUILFORD	119,627	5.21%	\$48,477		NORTHAMPTON	3,005	0.13%	\$0		VANCE	9,963	0.43%	\$4,341
CASWELL	4,252	0.19%	\$3,000	HALIFAX	10,308	0.45%	\$4,491		ONSLOW	50,326	2.19%	\$20,394		WAKE	266,541	11.61%	\$108,011
CATAWBA	35,174	1.53%	\$15,326	HARNETT	34,327	1.50%	\$14,957		ORANGE	28,550	1.24%	\$12,440		WARREN	3,337	0.15%	\$3,000
CHATHAM	15,181	0.66%	\$6,615	HAYWOOD	11,300	0.49%	\$0		PAMLICO	1,854	0.08%	\$3,000		WASHINGTON	2,190	0.10%	\$3,000
CHEROKEE	4,748	0.21%	\$0	HENDERSON	21,745	0.95%	\$0		PASQUOTANK	8,925	0.39%	\$3,889		WATAUGA	6,869	0.30%	\$3,000
CHOWAN	2,728	0.12%	\$3,000	HERTFORD	3,987	0.17%	\$3,000		PENDER	13,365	0.58%	\$5,824		WAYNE	27,691	1.21%	\$12,066
CLAY	1,852	0.08%	\$0	HOKE	14,114	0.62%	\$6,150		PERQUIM ANS	2,419	0.11%	\$3,000		WILKES	13,260	0.58%	\$5,778
CLEVELAND	21,795	0.95%	\$9,497	HYDE	780	0.03%	\$3,000		PERSON	8,054	0.35%	\$3,509		WILSON	17,884	0.78%	\$7,793
COLUMBUS	10,479	0.46%	\$4,566	IREDELL	42,379	1.85%	\$18,466		PITT	36,092	1.57%	\$15,726		YADKIN	7,741	0.34%	\$3,373
CRAVEN	21,453	0.93%	\$9,348	JACKSON	7,070	0.31%	\$3,081		POLK	3,034	0.13%	\$3,000		YANCEY	3,362	0.15%	\$3,000
							All	hermarle R	egional Health Services	31 790	1 3	00/ \$ 2/880	Bertie Ca	amden Chowan Curritu	ıck Gates He	rtford Dacqu	iotank Dorguiman

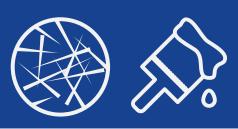
,,,,,,,	T POEK	3,034	0.1374	Ψ٠	7,000	IMIOLI	J,JUL U.	1374	Ψ5,000
	Albermarle Regional Health Services	31,790	1.39%	\$	24,889	Bertie, Camden, Chowan, Currituck, G	Sates, Hertford	Pasquotank,	Perquimans
	Appalachian District	13,344	0.58%	\$	9,000	Alleghany, Ashe, Watauga			
	Granville-Vance District	22,467	0.98%	\$	9,789	Granville, Vance			
	Martin-Tyrell-Washington District	7,227	0.31%	\$	9,000	Martin, Tyrrell, Washington			
	Toe River District	5,345	0.23%	\$	6,000	Avery, Mitchell			
	Foothills Health District	21,998	0.96%	\$	-	McDowell, Rutherford			
	*Weight based on NC Population Unde	r 18 years.							
	SOURCE: US CENSUS QUICK FACT	S - https://www	w.census.gov/qu	iickfa	acts/fact/ta	ble/NC/AGE295219			



Lead-Based Paint & Asbestos Participation



Lead-Based Paint and Asbestos: Requirements and Support





State Requirements

- ☐ Conduct onsite inspection by certified/accredited professional OR submit documentation of prior inspection or building age exemption for verification
- Our team will conduct onsite inspections and/or review documentation
- ☐ Restrict or mitigate identified hazards
- Our team will provide recommended actions
- ☐ Make results available
 - online facility data mapper and communication toolkit available



Program Support

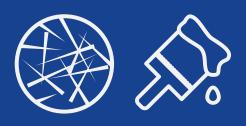
- Review and verify submitted documentation
- ✓ Coordinate onsite inspection, if needed
- ✓ Provide recommended actions for restricting or mitigating any identified hazards
- ✓ Share results directly with the facility and post on facility data mapper after 5 business days



Mitigation Support

- ✓ Reimburse up to 2/3 of abatement costs for schools
- ✓ Reimburse in full for child care facilities (including pre-K, Head Start, and afterschool programs within schools)

Overview of Lead-Based Paint and Asbestos Section







Who should enroll your facility?



One or more staff familiar with prior facility inspections.

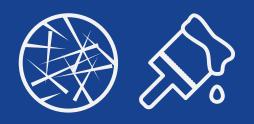
Staff that could oversee efforts to restrict or mitigate hazards

Local Education Agency's AHERA Designated Person (for schools)





What Information is Needed?





Building information

Student demographics

Previous inspection (If applicable)

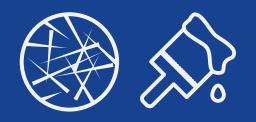
Any concerns about lead-based paint or asbestos exposure

Past and planned building renovations

Documentation of prior inspection or building age exemption, if applicable



Enrollment Documentation



Lead-Based Paint

Asbestos

- Prior inspection exemption:
 - ✓ Lead risk assessment report*
- Building age exemption (post-1978):
 - ✓ Lead-based paint-free attestation
- Prior inspection exemption:
 - √ Asbestos management plan or reinspection report*
- Building age exemption (post-1988):
 - ✓ AHERA asbestos inspection exemption letters for all buildings

Lead and Asbestos Remediation in Public School Units and Child Care Facilities Timeline

- ► Temporary Rules in Effect April 29, 2022
- Assigned as ARPA Program Lead September 2022
- Reimbursement Budget in Place October 2022
- Permanent Rules in Effect April 1, 2023
- ▶ Hired 3 Temporary Staff March 2023 (PC-II, IHC, BSC-II), aka- ARPA Team
- Signed Contract with RTI International to Conduct Inspections April 2023
- ► Forms Complete to Reimburse Public Schools and Child Cares
- Website Complete
- ▶ Reimbursement Program Went Live May 1, 2023





- Permanent Rule Requirements:
- Inspect for Asbestos and LBP Hazards Using RTI Vendors
- All Hazards Require Restricting Access Until Abated or Interim Control Used
- Notifications Required 10 Calendar Days Before Disturbing Asbestos or LBP
- Use NC Accredited or Certified LBP Individuals
- Priority to Conduct Compliance Inspections by HHCU Inspectors
- Clearance Required
- Within 45 Days of Completing Inspection Notify HHCU of Any Identified Hazard
- Within 45 Days Following Abatement Submit Documentation to HHCU





- Public Schools and Child Care Facilities Built After October 12, 1988, are Exempted from Asbestos Inspections by Providing Appropriate Documentation
- Public Schools Providing a Current Management Plan or Reinspection Report are Exempted from the Inspection Requirement, but Samples less than 10% Asbestos may be Retested if a Hazard has been Identified
- ► Child Care Facilities Built Before October 12, 1988, will be Inspected for Asbestos and Asbestos Hazards
- Public Schools and Child Care Facilities Built After February 28, 1978, are Exempted from Lead Risk Assessment by Providing Appropriate Documentation
- Public Schools and Child Care Facilities Providing a Current Lead Risk Assessment are Exempted for the Risk Assessment but may be Retested if a Hazard has been Identified





- Public Schools and Child Care Facilities Seeking Reimbursement Must Submit Required Forms and Supporting Documentation
- ARPA Team will Review Submitted Packet and Address Discrepancies
- First Come First Served During Year One
- Decision to Prioritize Reimbursement will be Based Upon Available Funding
- Replacement Materials are Reimbursable if a SDS, Manufacturer Letter or Lab Results Documents less than 1% Asbestos or Less Than 90 PPM LBP
- ▶ Project Ends December 31, 2026, or Until the Funds are Depleted
- Summary Reports Due to 2 Joint Legislative Committees





- Hold Off Submitting a Reimbursement Packet Until the Work has Been Completed and Completely Paid for, Then Submit all Documentation for Reimbursement
- Use the Checklist on the Web Page as a Guide to Help You
- ► The Substitute W-9 Address Must Match the Remittance Address
- Check Your Math and Make Sure the Reimbursement Packet Agrees With the Submitted Documentation or Expect a Reduction in Reimbursement





- Visit Our Website at https://www.ncdhhs.gov/divisions/public-health/asbestos-and-lead-based-paint-reimbursement-program-arpa
- Read the Frequently Asked Questions
- Complete the Appropriate ARPA Reimbursement Form
- Complete a Current, Signed and Dated Substitute W-9 Form
- Collect <u>ALL</u> Quotes, Contracts, POs, Invoices, Proof of Payments Applicable for Each Project to Document Reimbursement
- Submit Reimbursement Packet to the Following Email: ARPA-Reimbursement@dhhs.nc.gov





- After the ARPA Teams Completes Their Review, a Direct Pay Letter and Supporting Documentation Will be Sent to the Budget Office
- ► The Budget Office Will Review, Sign and Then Submit to the Controller's Office
- ► A Payment Confirmation Letter will be Emailed to the Contact on the ARPA Reimbursement Form
- ► The Controller's Office Will Review, Sign and Process a Check
- Public Schools are Eligible for 2/3 Reimbursement for Applicable Asbestos, LBP Abatement, LBP-RRP or Remediation Projects and Replacement Materials not Exceeding Asbestos and LBP Threshold Amounts





- Questions?
- Submit Questions to the Following Email: ARPA-Reimbursement@dhhs.nc.gov
- ► Visit Our Website at https://www.ncdhhs.gov/divisions/public-health/asbestos-and-lead-based-paint-reimbursement-program-arpa









Preparing for Enrollment



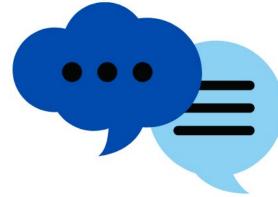
Engage Your Community



Before water sampling or onsite visits

Inform your community about your participation in this program.

(view our communication toolkit)



After completion

Share results and mitigation plans or actions with your community.

(view our communication toolkit and facility data mapper)

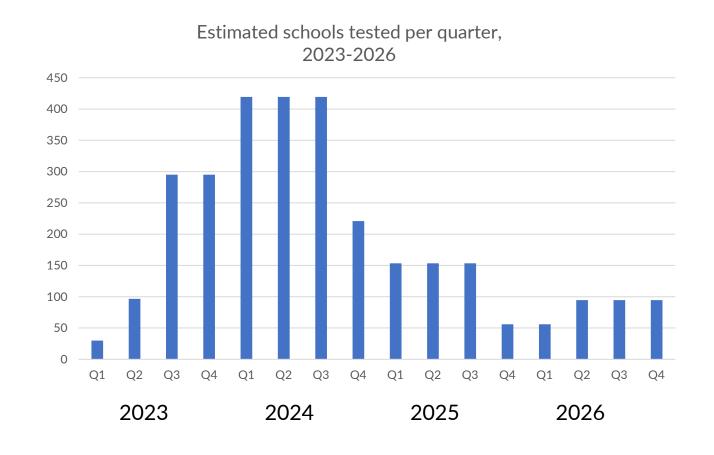


Communicate early and often about plans, results and next steps.



Projected Program Rollout

At peak times, up to 419 schools tested per quarter and 32 schools tested per week



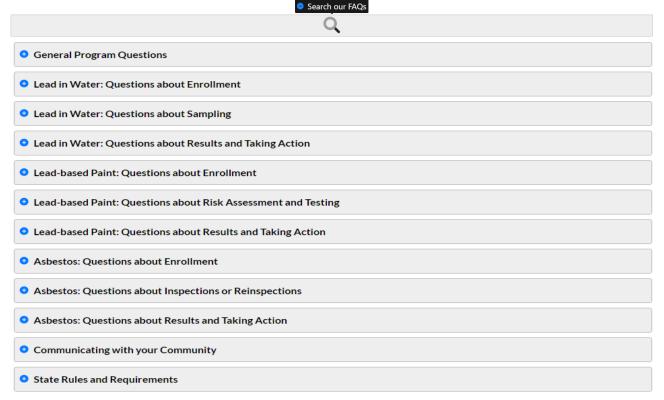


Frequently Asked Questions



Enroll Now Sign In Contact Us FAQs

Frequently Asked Questions





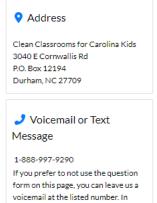


Contact Us by Call, Text, or Email



Enroll Now Sign In Contact Us FAQs

Contact Us



order for us to respond, please leave a

message with your name, email, and a

description of your issue.

If you have a question or issue, please fill out and submit the question form below.

We aim to respond to questions within two business days. If it has been longer than that we are working on resolving your issue and will respond to you as quickly as possible. Please refrain from duplicate tickets while awaiting a response

Please note that comments and calls go to the same team, so you do not need to leave both a voicemail and a message.

Your Name*

Enter Your Name...

Your Email Address*

Enter Your Email Address...

Question Type*

Choose...

Describe Question*

Please describe your feedback in detail

Your facility's name *

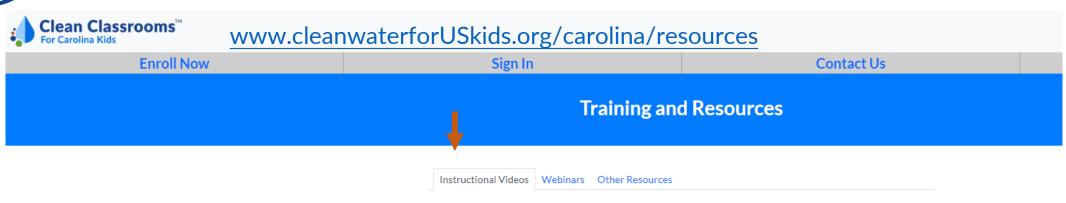
Enter the name of your facility



Submit Question



Training Resources



In this tab, you will find instructional videos to help you through each section of the Clean Classrooms for Carolina Kids program



Asbestos Section Training

In this video, Lisa, Kelly, and John will walk you through the steps needed to complete the asbestos section of the Clean Classrooms for Carolina Kids program.



Instructional Videos Webinars Other Resources

In this tab, you will find links to documents, templates and other useful resources for you during your participation in the Clean Classrooms for Carolina Kids program.

Select a link below to jump to that section:

- ► Program Instructions and Resources
- ► Communicating with your Community
- ► Other related programs



How do I enroll my facility?

Enroll by facility, not by district

 Facilities choose who they would like to participate in the process

 Once you receive the pin at the end of the live webinar, you can subsequently enroll online





- NC local and regional environmental health specialists
- Liaisons: NC Department of Child Development and Early Education and Department of Public Instruction
- School and child care staff
- You!

Thank you for helping to identify and eliminate exposure to lead and asbestos hazards where NC children learn and play

Thank you for taking steps to protect children from lead and asbestos hazards across NO.

Questions & Comments?



Enroll at bit.ly/3CK-enroll



FAQs, visit bit.ly/3CK-faq

- Contact Us, visit bit.ly/3CK-contact
- Call/Text 1-855-997-2864

