



MISSOURI HOUSE OF REPRESENTATIVES  
**WITNESS APPEARANCE FORM**

BILL NUMBER: <b>HB 2532</b>		DATE: <b>3/28/2022</b>	
COMMITTEE: <b>Conservation and Natural Resources</b>			
<b>TESTIFYING:</b> <input checked="" type="checkbox"/> IN SUPPORT OF <input type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>ARNIE C. "HONEST-ABE" DIENOFF-STATE PUBLIC ADVOCAT</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>arniedienoff@yahoo.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 11:46 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

**I am in Support of this Bill and Legislation. We NEED To Remove All Lead Pipes and Lead Fittings from the Water Lines that Deliver Water Supply to Our Children Across Missouri. We NEED to Ensure That Every Missouri Child Has Access To Clean and Uncontaminated Water with Zero-Lead. This Legislation NEEDS to Be an Immediate and Emergency Priority!**



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<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>ARNIE C. AC DIENOFF-STATE PUBLIC ADVOCATE</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>arniedienoff@yahoo.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 11:00 PM</b>
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**I Agree With This Bill and Its Great Intent. WE as a State MUST Take Drastic Measures to KEEP ALL of Children and Schools Safe Across Our Great State. We, as Missouri MUST rid ALL School Building Water Pipes of ALL Lead and Protect Our Children/! This is the Correct Action and Direction to go.**



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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>BRIDGET SANDERSON</b>		PHONE NUMBER: <b>913-449-8825</b>	
REPRESENTING: <b>ENVIRONMENT MISSOURI</b>		TITLE:	
ADDRESS: <b>31 WEST 31ST STREET</b>			
CITY: <b>KANSAS CITY</b>		STATE: <b>MO</b>	ZIP: <b>64108</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>CARLA WIESE</b>		PHONE NUMBER: <b>636-332-1858</b>	
BUSINESS/ORGANIZATION NAME: <b>MISSOURI PTA</b>		TITLE: <b>PRESIDENT</b>	
ADDRESS: <b>329 KEMP DR</b>			
CITY: <b>WENTZVILLE</b>		STATE: <b>MO</b>	ZIP: <b>63385</b>
EMAIL: <b>carlaw@mopta.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/27/2022 2:51 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

On behalf of the Missouri PTA and our 28,200 statewide members, I submit this testimony to show support for HB2532. As a community, PTA supports legislation that requires that schools install high-quality filters to assure children aren't drinking water contaminated by lead, which can leak into the water from lead pipes. This legislation would require schools to test after the installation and ensure the water has less than one part per billion of lead. Missouri PTA, in recognition of the importance of safe drinking water to the health of all children, supports the following: Careful preservation and protection of water supplies; Strong, strict water quality standards that help assure a healthy environment for all children, regardless of race, education level or financial status; Local, state, and federal legislation and regulations to maintain the highest possible levels of water quality; Effective implementation of local, state, and federal water quality standards; Legislation and regulations to allow cities, counties, and states to have higher water quality standards than the federal standards; Right-To-Know legislation and regulations in order for the public to be more aware of the environmental health hazards in their community; Regular water testing in schools and day-care centers for lead contamination. Missouri PTA supports and advocates for safe drinking water at all schools. Respectfully submitted, Carla Wiese, President, Missouri PTA



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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>CHERYL LYNN ADELSTEIN</b>		PHONE NUMBER: <b>314-442-3872</b>	
BUSINESS/ORGANIZATION NAME: <b>JEWISH COMMUNITY RELATIONS COUNCIL</b>		TITLE: <b>DEPUTY DIRECTOR</b>	
ADDRESS: <b>12 MILLSTONE CAMPUS DRIVE</b>			
CITY: <b>SAINT LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63146</b>
EMAIL: <b>cadelstein@jcrctl.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 9:34 AM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

The Jewish Community Relations Council (JCRC), guided by Jewish values, advocates, educates, collaborates and mobilizes action on issues important to the Jewish community, 60,000 strong in St. Louis. We are committed to pursuing religious tolerance, civic discourse and social justice in St. Louis and beyond. Caring for God's creation is a central tenet of Judaism. Earth and God's creations do not belong to us. They belong to God. We are obligated to take care of them and pass them on in good shape and healthy condition to future generations to enjoy. As the Midrash tells us, God said, "See to it that you do not spoil and destroy My world; for if you do, there will be no one else to repair it." HB 2532 would provide funding to under-resourced school districts to alleviate unacceptable high levels of lead in the water. Testing that has been done nationally and in Missouri leads us to believe that most schools have at least some lead in their pipes, plumbing or fixtures. We must immediately remove lead-bearing parts from schools' drinking water systems — from service lines to faucets and fixtures — and install filters certified to remove lead at every tap used for drinking or cooking. According to For the Sake of All, a Washington University report on racial health disparities in St. Louis, there is an 18-year life expectancy gap between some predominantly white and predominantly black zip codes in St. Louis. And a recent report by a coalition of local environmental and racial justice focused organizations found that "Black St. Louisans are exposed to considerably greater environmental risks than White residents, contributing to stark racial disparities regarding health, economic, and quality of life burdens." Federal funds allocated to Missouri from the American Rescue Plan may be used for this purpose. Please swiftly move HB 2532 forward and ask your Senate colleagues to do the same. The health of our children cannot wait.



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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>CRAIG STEVENSON</b>		PHONE NUMBER: <b>573-397-1274</b>	
REPRESENTING: <b>KIDS WIN MISSOURI</b>		TITLE:	
ADDRESS: <b>3250 E HIGHWAY 124</b>			
CITY: <b>HALLSVILLE</b>		STATE: <b>MO</b>	ZIP: <b>65255</b>
EMAIL: <b>cstevenson@kidswinmissouri.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 9:15 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

We appreciate and are in support of HB 2532. We thank Rep. Bailey for bringing this bill forward. With 82% of Missouri's children having detectable blood lead levels, working to ensure our school drinking water systems have the smallest amount of lead presence as possible is critical. Lead is poisonous and can affect nearly every organ and system. Since many of our school buildings were built prior to 1986 where there were not restrictions on lead content in plumbing products, testing and filtering is critical in our older facilities to ensure that our children are consuming safe water. In the schools that have proactively tested, an unusually high amount of lead was found, creating urgency to ensure the safety of the water consumed by our children.



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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>DAVID JACKSON</b>		PHONE NUMBER: <b>314-406-2933</b>	
REPRESENTING: <b>NATUREAL RESOURCE DEFENSE COUNCIL</b>		TITLE:	
ADDRESS: <b>P.O. BOX 1865</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65102</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>DR. GORDON BLOOMBERG</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>bloomberg@wustl.edu</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 10:14 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

This legislation represents a very important contribution to the effort to reduce exposure to lead in drinking and non-drinking water sources. It particularly prioritizes children who are vulnerable to lead exposure in their environment that results in neurological damage, consisting of decreased IQ, ADD, and academic issues, all of which are irreversible. Schools are identified for conducting inventories of water sources and defines disadvantaged school districts. Oversight is explained and requirements for reporting are defined. Overall, this bill is a positive step toward removing a very dangerous environmental threat to our children. It should be passed immediately to save our children from a preventable health hazard. No amount of lead exposure is safe, but this legislation effectively addresses the issue and is needed now. Gordon Bloomberg, M.D. Professor Emeritus Dept. of Pediatrics Washington University School of Medicine





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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>GAIL WECHSLER</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>gailwechsler@sbcglobal.net</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 1:39 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

I am a Missouri citizen and I strongly believe that our school children deserve drinking fountains that do not threaten their physical and neurological well being. Please vote YES on HB 2532 to require testing of school drinking water for lead and to require installation of filters to remove lead from the pipes if it exists. This is an important health and safety measure.



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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>GARRETT WEBB</b>		PHONE NUMBER: <b>219-229-1104</b>	
REPRESENTING: <b>MISSOURI CHAPTER, AMERICAN ACADEMY OF PEDIATRICS</b>		TITLE: <b>REGISTERED LOBBYIST</b>	
ADDRESS: <b>710 SOULARD STREET, UNIT A</b>			
CITY: <b>SAINT LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63104</b>
EMAIL: <b>webb@coestrategies.com</b>	ATTENDANCE: <b>In-Person</b>		SUBMIT DATE: <b>3/28/2022 5:41 PM</b>

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The Missouri Chapter, American Academy of Pediatrics, representing over 1,000 physicians, trainees, and pediatric-providers, strongly support this legislation.



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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>JEANETTE MOTT OXFORD</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME: <b>METROPOLITAN CONGREGATIONS UNITED</b>		TITLE: <b>ORGANIZER</b>	
ADDRESS: <b>4501 WESTMINISTER PLACE, 3RD FLOOR</b>			
CITY: <b>ST. LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63108</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>JEFFRY M. FAUST</b>		PHONE NUMBER: <b>314-581-1024</b>	
BUSINESS/ORGANIZATION NAME: <b>ENVIRONMENTAL CONSULTANTS, LLC</b>		TITLE: <b>PRINCIPAL</b>	
ADDRESS: <b>6 MEADOW HEIGHTS PROFESSIONAL PARK</b>			
CITY: <b>COLLINSVILLE</b>		STATE: <b>IL</b>	ZIP: <b>62234</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>JENNIFER HARRIS DAULT</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>doveintheattic@gmail.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 11:48 AM</b>

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**Kids deserve safe drinking water! Please act to protect them**



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>JESSICA FILE</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>jesfile@gmail.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 12:50 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

This bill enacts the Get the Lead Out of School Drinking Water Act. The bill focuses on testing school drinking water for lead and installing filters on drinking fountains at schools to remove lead from their pipes and ensuring children are not exposed to lead levels above the American Academy of Pediatrics' recommended maximum level for schools. All Missouri children deserve school drinking fountains that do not threaten their neurological, physical, or behavioral wellbeing



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>JESSICA FILE</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>jesfile@gmail.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 12:47 PM</b>
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This bill would create a new loan program to help farms grow more fruits and vegetables, deemed "specialty crops" in Missouri. Supporting more small-scale farms who grow specialty crops will provide more nutritious food for local communities to eat and help build soil health on these farms by way of growing multiple types of crops on the same field



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>JOAN LEARY MATTHEWS</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>jmatthews@nrdc.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/5/2022 10:41 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

Missouri State Legislature Hearing on House Bill 2532 (Bailey) "Get the Lead Out of School Drinking Water Act" March 7, 2022 Testimony of Joan Leary Matthews Senior Attorney and Director, Urban Water Management Natural Resources Defense Council [www.nrdc.org](http://www.nrdc.org) [jmatthews@nrdc.org](mailto:jmatthews@nrdc.org) Thank you for the opportunity to present testimony on this important topic. We support the House's efforts, and in particular, Representative Bailey's efforts, to reduce lead in school drinking water. As discussed further below, however, we suggest some changes that will protect children from lead exposure even more. The Natural Resources Defense Council (NRDC) is an international nonprofit environmental advocacy organization with over three million members and online activists. NRDC works to safeguard the earth – its people, plants, and animals – and the natural systems on which all life depends. We combine the power of our members and online activists with lawyers, scientists, and policy advocates across the globe to ensure the rights of all people to clean air, clean water, protected natural resources, and a healthy environment. I lead NRDC's Urban Water Management Team, overseeing NRDC's work nationwide on issues that include safe, sufficient, and affordable drinking water. Prior to joining NRDC, I served for several years as the director of the Clean Water Division for the U.S. Environmental Protection Agency's Region 2, where I directed the agency's Clean Water Act, Safe Drinking Water Act, and other programs for New York, New Jersey, eight Indian Nations, Puerto Rico, and the U.S. Virgin Islands. I have been leading NRDC's project on reducing lead in school drinking water for the past several years and have drafted a model bill for states to adopt to address this problem. I am pleased to note that HB 2532 incorporates many of the provisions in the model bill. The model bill and associated documents can be found here: <https://www.nrdc.org/resources/get-lead-out-drinking-water-schools-and-child-care-centers> Schools are meant to be places for children to thrive. But when lead gets into the drinking water in schools—leached from plumbing, fixtures, and fittings—it presents a grave risk to the development of young bodies and minds. Lead is a poisonous heavy metal that can cause serious health problems, especially in children and pregnant women. Young children and fetuses are most susceptible, particularly their brains and nervous systems, and some of the impacts can be irreversible, lasting into adulthood. Lead exposure has been found to decrease children's cognitive capacity and cause behavior issues, including problems with focus. The experts – the Centers for Disease Control and Prevention, the American Academy of Pediatrics, and the World Health Organization – agree that there is no safe level of lead exposure. Many schools are housed in old buildings with aging plumbing fixtures, fittings, pipes, and solder that contain a high concentration of lead, which can leach into the drinking water. Even new plumbing contains lead because the federal Safe Drinking Water Act allows it. To be clear, lead is not introduced into school drinking water from a water system (water utility); lead gets into school drinking water from the internal plumbing, fixtures, and fittings in school buildings. NRDC Supports Provisions of HB 2532 In addition to the 1 part per billion (ppb) action level, the action level recommended by the American Academy of



Pediatrics, NRDC also supports HB 2532's provisions requiring the prioritization of disadvantaged school districts, annual testing, training for custodial staff on installation and maintenance of filters, dissemination of information to parents and school employees, and signage at non-potable taps. Amend the Bill to Include "Filter First" While NRDC supports the intent of HB 2532 with its 1 ppb action level and the other provisions mentioned above, we recommend a "filter first" approach rather than this bill's "test first" approach. We note that a filter first approach was included in the bill when it was first introduced, and we urge the Legislature to reinstate it for the reasons stated below. A filter first approach cuts out the initial round of testing before remediation. The reason is simple: testing results in St. Louis, Indiana, New York State, and elsewhere around the country demonstrate that lead is prevalent in drinking water in schools. In other words, we know that lead will be detected in unfiltered drinking water in schools. This is because virtually no installed plumbing fixtures are completely free from lead. Even today, federal law allows up to 0.25 percent of lead in plumbing fixtures and fittings; older plumbing can contain much higher amounts of lead. We also know that filtration is effective when the filter is certified by NSF International or the Water Quality Association to remove lead and is properly installed and maintained. There is no benefit to waiting for a school to test its drinking water for lead. In a filter first approach, testing would only need to be conducted after filters are installed at drinking water outlets for the purpose of ensuring that the filters are working properly. This is much smarter than embarking on a lengthy testing process that will only prove what we already know to be true. And, a filter first approach saves money – a significant amount – by avoiding that first round of unnecessary testing, as demonstrated by a cost analysis that NRDC conducted in Michigan: <https://www.nrdc.org/experts/cyndi-roper/mi-lawmakers-introduce-lead-water-protections-kids> For these reasons, NRDC's model legislation is based on the filter first approach. House Bill 2532 should go further and adopt the filter first approach. The Legislature is to be commended for addressing this public health issue that affects our children, but there is a simpler way to do it that would better protect children and save the state the state some money at the same time. Thank you for the opportunity to submit this testimony.



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>JOAN MATTHEWS</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>jmatthews@nrdc.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/25/2022 3:56 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

Missouri State LegislatureHearing on House Bill 2532 (Bailey)“Get the Lead Out of School Drinking Water Act”March 28, 2022Testimony of Joan Leary MatthewsSenior Attorney and Director, Urban Water ManagementNatural Resources Defense Council [www.nrdc.org](http://www.nrdc.org)jmatthews@nrdc.orgThank you for the opportunity to present testimony on this important topic. We support the House’s efforts, and in particular, Representative Bailey’s efforts, to reduce lead in school drinking water. As discussed further below, however, we suggest some changes that will protect children from lead exposure even more.The Natural Resources Defense Council (NRDC) is an international nonprofit environmental advocacy organization with over three million members and online activists. NRDC works to safeguard the earth – its people, plants, and animals – and the natural systems on which all life depends. We combine the power of our members and online activists with lawyers, scientists, and policy advocates across the globe to ensure the rights of all people to clean air, clean water, protected natural resources, and a healthy environment.I lead NRDC’s Urban Water Management Team, overseeing NRDC’s work nationwide on issues that include safe, sufficient, and affordable drinking water. Prior to joining NRDC, I served for several years as the director of the Clean Water Division for the U.S. Environmental Protection Agency’s Region 2, where I directed the agency’s Clean Water Act, Safe Drinking Water Act, and other programs for New York, New Jersey, eight Indian Nations, Puerto Rico, and the U.S. Virgin Islands.I have been leading NRDC’s project on reducing lead in school drinking water for the past several years and have drafted a model bill for states to adopt to address this problem. I am pleased to note that HB 2532 incorporates many of the provisions in the model bill. The model bill and associated documents can be found here: <https://www.nrdc.org/resources/get-lead-out-drinking-water-schools-and-child-care-centers>Schools are meant to be places for children to thrive. But when lead gets into the drinking water in schools—leached from plumbing, fixtures, and fittings—it presents a grave risk to the development of young bodies and minds.Lead is a poisonous heavy metal that can cause serious health problems, especially in children and pregnant women. Young children and fetuses are most susceptible, particularly their brains and nervous systems, and some of the impacts can be irreversible, lasting into adulthood. Lead exposure has been found to decrease children’s cognitive capacity and cause behavior issues, including problems with focus.The experts – the Centers for Disease Control and Prevention, the American Academy of Pediatrics, and the World Health Organization – agree that there is no safe level of lead exposure.Many schools are housed in old buildings with aging plumbing fixtures, fittings, pipes, and solder that contain a high concentration of lead, which can leach into the drinking water. Even new plumbing contains lead because the federal Safe Drinking Water Act allows it. To be clear, lead is not introduced into school drinking water from a water system (water utility); lead gets into school drinking water from the internal plumbing, fixtures, and fittings in school buildings.NRDC Supports Provisions of HB 2532In addition to the 1 part per billion (ppb) action level, the action level recommended by the American Academy of

Pediatrics, NRDC also supports HB 2532's provisions requiring the prioritization of disadvantaged school districts, annual testing, training for custodial staff on installation and maintenance of filters, dissemination of information to parents and school employees, and signage at non-potable taps. Amend the Bill to Include "Filter First" While NRDC supports the intent of HB 2532 with its 1 ppb action level and the other provisions mentioned above, we recommend a "filter first" approach rather than this bill's "test first" approach. We note that a filter first approach was included in the bill when it was first introduced, and we urge the Legislature to reinstate it for the reasons stated below. A filter first approach cuts out the initial round of testing before remediation. The reason is simple: testing results in St. Louis, Indiana, New York State, and elsewhere around the country demonstrate that lead is prevalent in drinking water in schools. In other words, we know that lead will be detected in unfiltered drinking water in schools. This is because virtually no installed plumbing fixtures are completely free from lead. Even today, federal law allows up to 0.25 percent of lead in plumbing fixtures and fittings; older plumbing can contain much higher amounts of lead. We also know that filtration is effective when the filter is certified by NSF International or the Water Quality Association to remove lead and is properly installed and maintained. There is no benefit to waiting for a school to test its drinking water for lead. In a filter first approach, testing would only need to be conducted after filters are installed at drinking water outlets for the purpose of ensuring that the filters are working properly. This is much smarter than embarking on a lengthy testing process that will only prove what we already know to be true. And, a filter first approach saves money – a significant amount – by avoiding that first round of unnecessary testing, as demonstrated by a cost analysis that NRDC conducted in Michigan: <https://www.nrdc.org/experts/cyndi-roper/mi-lawmakers-introduce-lead-water-protections-kids> For these reasons, NRDC's model legislation is based on the filter first approach. House Bill 2532 should go further and adopt the filter first approach. The Legislature is to be commended for addressing this public health issue that affects our children, but there is a simpler way to do it that would better protect children and save the state the state some money at the same time. Thank you for the opportunity to submit this testimony.



MISSOURI HOUSE OF REPRESENTATIVES  
**WITNESS APPEARANCE FORM**

BILL NUMBER: <b>HB 2532</b>		DATE: <b>3/28/2022</b>	
COMMITTEE: <b>Conservation and Natural Resources</b>			
<b>TESTIFYING:</b> <input checked="" type="checkbox"/> IN SUPPORT OF <input type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>MELISSA VATTEROTT</b>		PHONE NUMBER: <b>314-727-0600</b>	
BUSINESS/ORGANIZATION NAME: <b>MISSOURI COALITION FOR THE ENVIRONMENT</b>		TITLE: <b>POLICY DIRECTOR</b>	
ADDRESS: <b>725 KINGSLAND AVE, SUITE 100</b>			
CITY: <b>ST. LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63130</b>
EMAIL: <b>mvatterott@moenvironment.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/28/2022 10:16 AM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

March 28, 2022 Representative Randy Pietzman Conservation and Natural Resources Committee Missouri House of Representatives 201 W Capitol Ave., Rm. 205 Jefferson City, MO 65101 Dear Chairman Pietzman and Members of the Committee, The Missouri Coalition for the Environment is a statewide, advocacy nonprofit organization that works to empower Missourians to protect their environment and health. House Bill No. 2532 would help remove lead from the drinking water of schools. Because of the invaluable nature of the health of the children of Missouri, we respectfully ask that you support HB 2532. This bill enacts the Get the Lead Out of School Drinking Water Act. It would focus on installing filters on drinking fountains at schools to remove lead from their pipes and ensure children are not exposed to lead levels above the American Academy of Pediatrics' recommended maximum level for schools. The EPA states that "in children, low levels of exposure have been linked to damage to the central and peripheral nervous system, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells." (1) This information demonstrates that it is paramount that we act now to remove such a toxic chemical as lead from our children's drinking water. We strongly recommend that assistance goes to disadvantaged communities first and that remediation is required for those schools whose water tests above the highest acceptable level of lead. Once again, the Missouri Coalition for the Environment asks you to vote "yes" on HB 2532 because all Missouri children deserve school drinking fountains that do not threaten their neurological, physical, or behavioral wellbeing. Thank you for your time. Sincerely, Melissa Vatterott, JD Policy Director Missouri Coalition for the Environment mvatterott@moenvironment.org (314) 727-0600, ext. 111 Sources: (1) <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>TESTIFYING:</b> <input checked="" type="checkbox"/> IN SUPPORT OF <input type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>MELISSA VATTEROTT</b>		PHONE NUMBER: <b>314-727-0600</b>	
BUSINESS/ORGANIZATION NAME: <b>MISSOURI COALITION FOR THE ENVIRONMENT</b>		TITLE: <b>POLICY DIRECTOR</b>	
ADDRESS: <b>725 KINGSLAND AVE, SUITE 100</b>			
CITY: <b>ST. LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63130</b>
EMAIL: <b>mvatterott@moenvironment.org</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>3/7/2022 12:36 PM</b>	

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

March 7, 2022 Representative Randy Pietzman Conservation and Natural Resources Committee Missouri House of Representatives 201 W Capitol Ave., Rm. 205 Jefferson City, MO 65101 Dear Chairman Pietzman and Members of the Committee, The Missouri Coalition for the Environment is a statewide, advocacy nonprofit organization that works to empower Missourians to protect their environment and health. House Bill No. 2532 would help remove lead from the drinking water of schools. Because of the invaluable nature of the health of the children of Missouri, we respectfully ask that you support HB 2532. This bill enacts the Get the Lead Out of School Drinking Water Act. It would focus on installing filters on drinking fountains at schools to remove lead from their pipes and ensure children are not exposed to lead levels above the American Academy of Pediatrics' recommended maximum level for schools. The EPA states that "in children, low levels of exposure have been linked to damage to the central and peripheral nervous system, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells." (1) This information demonstrates that it is paramount that we act now to remove such a toxic chemical as lead from our children's drinking water. We strongly recommend that assistance goes to disadvantaged communities first and that remediation is required for those schools whose water tests above the highest acceptable level of lead. Once again, the Missouri Coalition for the Environment asks you to vote "yes" on HB 2532 because all Missouri children deserve school drinking fountains that do not threaten their neurological, physical, or behavioral wellbeing. Thank you for your time. Sincerely, Melissa Vatterott, JD Policy Director Missouri Coalition for the Environment mvatterott@moenvironment.org (314) 727-0600, ext. 111 Sources: (1) <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>



MISSOURI HOUSE OF REPRESENTATIVES  
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COMMITTEE: <b>Conservation and Natural Resources</b>			
<b>TESTIFYING:</b> <input checked="" type="checkbox"/> IN SUPPORT OF <input type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>MICHAEL BERG</b>		PHONE NUMBER: <b>314-644-1011</b>	
REPRESENTING: <b>SIERRA CLUB MISSOURI CHAPTER</b>		TITLE: <b>SIERRA CLUB MISSOURI CHAPTER POLITICAL DIRECTOR</b>	
ADDRESS: <b>2818 SUTTON BLVD</b>			
CITY: <b>SAINT LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63143</b>
EMAIL: <b>Michael.Berg@sierraclub.org</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 9:24 AM</b>
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The Sierra Club Missouri Chapter supports this measure to confront the continued public health issue. Lead contamination hurts children, and passing this bill would be a very important step for helping our children.



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>MICHAEL JOSHUA RYAN</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>luser.droog@gmail.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 10:20 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			
<b>Let's do less poisoning of children.</b>			



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>OTTO FAJEN</b>		PHONE NUMBER: <b>573-634-3202</b>	
REPRESENTING: <b>MISSOURI NEA</b>		TITLE: <b>LEGISLATIVE DIRECTOR</b>	
ADDRESS: <b>1810 EAST ELM STREET</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65101</b>
EMAIL: <b>otto.fajen@mnea.org</b>	ATTENDANCE: <b>In-Person</b>		SUBMIT DATE: <b>3/28/2022 5:29 PM</b>

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The Association believes school districts should conduct periodic testing for harmful water and airborne particles and agents that are detrimental to the health of students and education employees and report the results publicly. School districts should also complete corrective actions to eliminate the problems and report results in a timely manner.





MISSOURI HOUSE OF REPRESENTATIVES  
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<b>TESTIFYING:</b> <input checked="" type="checkbox"/> IN SUPPORT OF <input type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>OTTO FAJEN</b>		PHONE NUMBER: <b>573-634-3202</b>	
REPRESENTING: <b>MISSOURI NEA</b>		TITLE: <b>LEGISLATIVE DIRECTOR</b>	
ADDRESS: <b>1810 EAST ELM STREET</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65101</b>
EMAIL: <b>otto.fajen@mnea.org</b>	ATTENDANCE: <b>In-Person</b>		SUBMIT DATE: <b>3/7/2022 8:19 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

The Association believes that the health and safety of students, staff, family, and the community is paramount to the education of students. School districts should conduct periodic testing for harmful water and airborne particles or agents that are detrimental to the health of students and education employees and shall report the results publicly. Further, school districts must complete corrective actions to eliminate the problems and report results in a timely manner. Lead in drinking water is a serious health hazard for students. The bill will help address this concern in a comprehensive way, and the Association supports the bill. The bill requires schools to monitor and test for lead in drinking water, take appropriate protective and corrective action when levels in excess of the recommended standard are discovered and report to DESE and the Safe Drinking Water Commission. The state agencies will also provide statewide reports on the information provided.



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>RACHEL RIMMERMAN</b>		PHONE NUMBER: <b>913-775-2949</b>	
BUSINESS/ORGANIZATION NAME: <b>WATER INSTITUTE, SAINT LOUIS UNIVERSITY</b>		TITLE: <b>DIRECTOR OF BUSINESS &amp; OUTREACH</b>	
ADDRESS: <b>3450 LINDELL BOULEVARD, SUITE 1025</b>			
CITY: <b>ST. LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63103</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>REBEKAH BERKOWITZ</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>rebek_b@sbcglobal.net</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/4/2022 4:16 PM</b>

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**This is common sense, an investment in our children and their future mental and physical health.**



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>ROGER D. LEWIS, PHD</b>		PHONE NUMBER: <b>314-623-7806</b>	
BUSINESS/ORGANIZATION NAME: <b>SAINT LOUIS UNIVERSITY</b>		TITLE: <b>PROFESSOR EMERITUS</b>	
ADDRESS: <b>7474 CROMWELL DRIVE</b>			
CITY: <b>ST LOUIS</b>		STATE: <b>MO</b>	ZIP: <b>63105</b>
EMAIL: <b>Roger.Lewis@slu.edu</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/6/2022 9:21 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**

March 6, 2022 Dear Honorable Members of the Committee on Conservation and Natural Resources: I am writing to convey my enthusiastic support for the House Bill 2532 sponsored by Representative Dottie Bailey. As Professor Emeritus of Environmental and Occupational Health at Saint Louis University College for Public Health and Social Justice, I have received research funding over several years that helped to inform current federal guidelines for removal of lead from the built environment. Although much of my research has been devoted to finding new ways to remove leaded dust from homes, I have also had the opportunity to do collaborative work on mapping the City of St. Louis for exposures to all kinds of lead in homes and relate those to several conditions that impair behavior in a child's later years. These impairments go beyond what we commonly understand to be damage to a child's ability to learn and prosper. Researchers at SLU and elsewhere now agree that the evidence is accumulating on the role that lead exposures in a child may have on their behaviors as adults. These behaviors, which should trouble every Missouri citizen, may affect their incidence of acquiring sexually transmitted diseases as well as contribute to crime, gun violence, and abusive behavior. The concern for lead exposure in children has now been on our radar for many years but unfortunately children in the State of Missouri are still being exposed to lead not only in their homes but also in their schools. During the school year, kids spend most of their time in schools. However, Missouri doesn't currently have state-level regulations or programs around testing and remediating lead in school water. The American Academy of Pediatrics advocates for a lead in water action level of 1 part per billion (1 ppb). The House Bill 2532 will require lead in water testing at all K-12 schools in the State of Missouri. Any testing over 1 ppb lead will be required to install a hydration station with NSF-certified filters for removing particulate and soluble lead. I expect that if this bill is passed it will have a measurable impact on lead in water that affects not only our children's health but Missouri's future as well.

Regards, Roger D. Lewis, PhD, CIH,  
FAIHA

Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing, Office of the Healthy Homes and Lead Hazard Control, US Department of HUD, second edition, July, 2012 Helton JJ, Nelson EJ, Boutwell BB, Lewis RD, Rosenfeld R, Seon J. Aggregate-level Lead Exposure and Child Maltreatment. Journal of Interpersonal Violence. December 2020. Boutwell, B.B., E.J. Nelson, Z. Qian, M.G. Vaughn, J.P. Wright, K.M. Beaver, J.C. Barnes M. Petkovec, R. Lewis., M. Schootman, L. Rosenfeld.: Aggregate-level lead exposure, gun violence, homicide, and rape. PloS one 12(11): e0187953 (2017). Boutwell, B.B., Nelson, E, Emo, B., Vaughn, M., Schootman, M., Rosenfeld, R, and Lewis, R: The Intersection of Aggregate-Level Lead Exposure and Crime. Environmental Research, July, 2016 Nelson, E, Schacham, E, Boutwell, B, Rosenfeld, R, Schootman, M, Vaughn, M, Lewis, R.D. "Childhood Lead Exposure and Sexually Transmitted Infections: New Evidence. Environmental Research, November, 2015.



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>REGISTERED LOBBYIST:</b>			
WITNESS NAME: <b>SHARON GEUEA JONES</b>		PHONE NUMBER: <b>573-808-2156</b>	
REPRESENTING: <b>MISSOURI STATE CONFERENCE NAACP</b>		TITLE:	
ADDRESS: <b>227 JEFFERSON STREET</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65102</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>SUSAN LAMMERT</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>susanlammert@att.net</b>		ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>3/28/2022 2:07 PM</b>

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It has been documented that there is lead in the old pipes in schools. Filtering the drinking water is essential to prevent brain damage .



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>SUSAN LAMMERT</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>susanlammert@att.net</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>3/7/2022 3:41 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			
<b>I support making drinking water safe for school children.</b>			



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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>T.S. GRAVEN</b>		PHONE NUMBER: <b>573-690-4525</b>	
BUSINESS/ORGANIZATION NAME: <b>DEPARTMENT OF NATURAL RESOURCES</b>		TITLE: <b>LEGISLATIVE LIAISON</b>	
ADDRESS: <b>P.O. BOX 176</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65102</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>3/28/2022 12:00 AM</b>	
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			