



MISSOURI HOUSE OF REPRESENTATIVES  
**WITNESS APPEARANCE FORM**

BILL NUMBER: <b>HB 1378</b>		DATE: <b>4/19/2023</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>ALICIA GILMAN</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>Amccabegilman@gmail.com</b>		ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/18/2023 4:38 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>AMY WHITE</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>awhitestl@yahoo.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>4/18/2023 6:20 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

It is necessary to reduce the MCL Maximum Contaminant Level to 0.2 ppb parts per billion. I have lived in St. Charles city for 26 years. In 2018, I was diagnosed with an advanced-stage non-Hodgkins Lymphoma. I underwent chemotherapy and immunotherapy, knocked the disease back in 2020. Evidence of recurrence is seen on a CT scan done earlier this year. The type of NHL non-Hodgkins Lymphoma I have is never cured, it comes back. even after harsh treatments Eventually, this cancer mutates into an untreatable form and kills the patient. I do not want anyone else in St. Charles to experience what I have gone through. Please lower the MCL to 0.2 ppb. Exposure to cancer-causing chemicals is the main reason people contract the type of cancer i have.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>ARNIE C. "HONEST-ABE" 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>4/19/2023 11:49 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**  
**I am in Support of this Bill. There NEEDFS to be more information and additional Details.**



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>BARBARA DUBOIS</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>bdubois17@yahoo.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/18/2023 5:42 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

Missourian have suffered greatly from contamination at various sites. As a youth, I grew up in North County (Hazelwood/Florissant) area for 20 years and only now as an adult of age 65, did I learn of the devastating effects of radioactive pollution that occurred along Coldwater Creek and most recently at Jana Elementary school in the Hazelwood School District. In the Brisgeton area, where I lived for 5 years of my adult life, I learned of the Westlake/Bridgeton landfill and the horrific health effects the radioactive materials dumped there have had on those living in this community. Fastforward to the next 30 years of my life, living in the city of St. Charles, I have learned just within the past year about the contaminants from Ameren' substation which have seeped into our groundwater that effects our drinking water! WHT must the St. Charles and St. Louis regions continue to be subjected to the devastating health effects suffered by many from these pollutants that our state and federal governments are not remedying quickly and safely. Please support this bill reducing the contaminant level to .2%. This community needs this! Residents have suffered enough. My own daughter has numerous autoimmune diseases diagnosed when she was 16 and it has been a lifelong struggle for her (age 34 now) and will be for the rest of her life. Please support this bill.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>DENISE MITCHELL</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>denise.mitchell@stcharlescitymo.gov</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 5:24 PM</b>

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

I am a City Councilperson in the City of St. Charles and a long-standing resident. As you are aware, high levels of Vinyl Chloride are present in our City's wellfield (the City of St. Charles). This chemical has migrated into 6 of our 7 drinking water wells. This was caused by an outside company, Ameren Union Electric. Our experts and City staff have data that shows these wellfields have had concentration fluctuation up to 20 ppb to 40 ppb of Vinyl Chloride levels within a couple hundred feet of City Well 6. Our City has closed the wells for the safety of the public. We are now purchasing most of our water from another entity. The EPA contends that we should continue to supply this water to our residents if it is below the 2.0 ppb level. To say that 2.0 ppb is acceptable is antiquated. This high of an acceptable amount of contamination (2.0 ppb) poses a significant health risk to the City water customers. The EPA should be looking into updating what the level that is acceptable should be, instead they are looking at outdated numbers and legislation in their determination of what is best for the people that they are here to protect, and sticking to those numbers. At an EPA meeting, citizens were told that it would take legislation to get the acceptable level changed. So, after more research, our experts and City staff have found that some states have lowered what they consider acceptable levels, as the EPA's standard of 2.0 ppb set in the 1980s does not reflect more current research that shows this level of 2.0 creates a higher risk of cancer than what was stated in those reports years ago. The 0.2 ppb being proposed is based on health risk assessment data and are what Minnesota & Maine's acceptable levels are. California, Vermont and Florida also have lower acceptable levels than 2.0. That is why this is now in your hands. The EPA will not act on its own with getting this changed. We need your help in getting this number changed. Senator Eigel's office has also filed legislation to reduce the State's Maximum Contaminant Level (MCL) for Vinyl Chloride in drinking water. I am hoping that these bills will get support in both the House and Senate. I ask that you support this legislation change to reduce the State's Maximum Contaminant Level (MCL) for Vinyl Chloride in drinking water from 2.0 ppb to 0.2 ppb in order to protect our citizens and their health. I appreciate your consideration.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>ERIC RINGHOFER</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>binghiskhan@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 10:48 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

Good morning, I have been involved with the community efforts here in St. Charles to demand clean drinking water from the City. We have engaged the city and EPA to make great progress steps, but one of the bigger hurdles we have discovered has to do with the levels of acceptable contamination in the groundwater aka MCL of vinyl chloride. Acceptable contamination is an oxymoron to me. Ironically, I was discussing oxymorons with one of my three daughters I am raising here in St. Charles, and I had to use the normal example of "jumbo shrimp". I now have a better example to use "Acceptable contamination". As a parent and resident, it is my duty to voice my concern on this issue. Our water supply has been severely diminished to unchecked contamination from irresponsible stewardship by the parties involved. If we can lower this level to an even more stringent point, as is in place in other states, it gives us "normal people" a little stronger leg to stand on in a situation that feels utterly helpless at times. It is time for companies to be responsible for their actions, and if lowering this standard helps force them, in terms of a legal standard, it is the least we can do. Please accept this brief statement from me and my family, and do the right thing- lower the acceptable level of poison I am providing for my family. Please and thank you.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>ERIC SEIDER</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>eric.seider67@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 12:37 PM</b>

**THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.**  
**Our drinking water needs to be safe for our families and pets. The current maximums were established in the 1970's and have not been updated with the science currently available.**



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>JANINE BLAIS</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>j9blais@att.net</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 4:50 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

Please pass bill HB 1378. I live in St Charles, and am affected by Ameren's contamination of the soil that surrounds our drinking water wells. There is NO safe level of vinyl chloride that should be in drinking water. As a cancer survivor, and the wife of a cancer survivor, please keep our drinking water FREE of any carcinogens. Thank you.





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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>JESSICA FAHRENHORST</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>poorbajl@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 9:33 AM</b>
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<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>JOHN PHILLIPS</b>		PHONE NUMBER: <b>636-255-6121</b>	
BUSINESS/ORGANIZATION NAME: <b>CITY OF ST. CHARLES</b>		TITLE: <b>UTILITIES SUPERINTENDENT</b>	
ADDRESS: <b>2871 ELM POINT INDUSTRIAL DR.</b>			
CITY: <b>ST. CHARLES</b>		STATE: <b>MO</b>	ZIP: <b>63301</b>
EMAIL: <b>john.phillips@stcharlescitymo.gov</b>	ATTENDANCE: <b>In-Person</b>	SUBMIT DATE: <b>4/18/2023 8:45 AM</b>	

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

John Phillips Superintendent of Utilities City of St. Charles, MO The City of St. Charles would like to offer its support of HB1378. The City of St. Charles is a Missouri Constitutional Charter/Home Rule city with a rich and proud history. The City owns and operates its own Public Water System, St. Charles PWS, serving over 75,000 Missouri citizens, and prides itself in exceptional water quality supplied from a cherished natural resource, our alluvial aquifer. The alluvial aquifer, sitting between the confluence of the two mighty rivers of the Mississippi and Missouri is an extraordinary natural resource that can provide essentially limitless water of high quality for the citizens of this community. The City has the moral duty to protect the health of its citizenry through any and all means, and specifically in this case, through protecting drinking water. The Elm Point Wellfield is where the City taps into the aquifer through seven unique wells to extract its groundwater for treatment and subsequent delivery to the citizens. The Elm Point Wellfield has been contaminated by several responsible parties that are compiled under the CERCLA Superfund site designated as Findett Corp. Superfund Site. In order to protect our public's health the City has been closely monitoring the movement of the contamination plumes and proactively shutting down wells that have been directly impacted by the contamination, to-date 6 out of the 7 City wells have been shut down due to contamination with Cis-1-2-Dichloroethene and vinyl chloride. The MCL, or maximum contaminant level, is the enforcement standard established by the United States Environmental Protection Agency (USEPA) and for the contaminant of most concern here, Vinyl Chloride (VC), that level is currently set at 2 parts per billion (ppb). The current MCL level for vinyl chloride was established in 1989 by the USEPA subsequent to the 1974 Safe Drinking Water Act which directed the USEPA to establish Maximum Contaminant Level Goals (MCLG) for chemicals, or the level at which there could be no human health impact. The MCLG for vinyl chloride was set to ZERO. Exposure to vinyl Chloride impacts human health through both carcinogenic and non-carcinogenic pathways; resulting examples of conditions are as follows: Liver cancers- hepatic angiosarcoma and hepatocellular carcinoma, brain cancer, lung cancer, lymphoma, leukemia, liver damage, nervous system damage, immune system changes, bone strength loss, spleen damage, and reproductive system damage. So, although vinyl chloride is known to be toxic the enforceable level, MCL, was set too high to hold polluters accountable to clean up the chemical to a lower threshold where health impacts would be greatly reduced. The City of St. Charles supports this bill to lower the MCL for vinyl chloride by an order of magnitude to 0.2ppb as a step in the right direction to be protective of public health, and allow a lower enforceable standard to hold polluters of natural resources accountable to further cleanup contaminated sites to levels that would be protective of human health.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>JOHN W FEELY</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>jwfeely@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 10:36 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

The levels of Vinyl Chloride allowed in our drinking water are archaic. Please revise the standard to the new lower level, which better represents today's improved science standards.



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>KARA ELMS</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL:	ATTENDANCE:		SUBMIT DATE: <b>4/19/2023 12:00 AM</b>
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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>KIM ZANG</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>kgnazkz@att.net</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 2:34 PM</b>	
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

To the State of Missouri, The amount of vinyl chloride needs to be regulated to the EPA levels that states that there is no safe level of vinyl chloride in drinking water. I support this bill as it is a positive step to getting to that level hopefully in the future. It is irresponsible for a corporation to release contaminants into the earth that contaminates drinking water and the food that we consume and not be held responsible for this action. Moving forward as a State that respects human health it is our responsibility to represent and support safe water so that the great people in the State of Missouri know that the government has their back. Swift action needs to prohibit contamination so we the people do not have the burden to tack action in their homes to put into place a system to remove these contaminate on our water that we pay to have piped into our homes by our water utilities. Thank You for presenting the bill for passage and enforcement! Kim and Tracey Zang 3717 Arpent Street Saint Charles, MO 63301



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>KORTNIE HUDDLESTON</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>kortniehuddleston@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/19/2023 12:49 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

I support this bill. Vinyl chloride is a known human carcinogen used for production of PVC plastics. Health concerns from vinyl chloride include liver cancer, harm to the liver, and changes to the central nervous system. Missouri's current Maximum Contaminant Level for Vinyl chloride in public drinking water systems is 0.002 milligrams per liter (2 parts per billion, ppb). This is EPA's legal limit for vinyl chloride, which was established in 1987, and based on analytical detection limits at the time that the standard was set. This current limit does not fully protect against the risk of cancer due to vinyl chloride exposure. The Environmental Working Group has recommended a health guideline of 0.05 ppb, based on data that shows this as the level that does not pose a significant health risk. This is 40 times lower than the current limit. The new limit of 0.2 ppb proposed by this bill is a step in the right direction and is 10 times lower than the current standard.



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>LINDSAY HANES</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>lindsayk1113@yahoo.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 3:44 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

Knowing that our water is potentially poisoning my family has caused me a great deal of anxiety. We have a drinking water filter, but that does not help with showers, cooking, watering our garden, etc. and full home water purifiers are expensive! I am constantly worrying if the water we are consuming is slowly killing us. The amount of vinyl chloride allowed needs to be lowered and the party responsible for the high levels need to be held accountable. This is a health crisis and should not be swept under the rug!



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<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>LORI BOURGEOIS</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>lbourgeois32@gmail.com</b>		ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 9:28 PM</b>
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<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>POLITICAL DIRECTOR MISSOURI SIERRA CLUB</b>	
ADDRESS: <b>PO BOX 432010</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>4/19/2023 10:07 AM</b>	
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**This bill codifies needed protections for the public from the dangers of vinyl chloride.**



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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>MICHAEL DREYER</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>mdreyer93@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/19/2023 12:48 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

I support this bill. Vinyl chloride is a known human carcinogen used for production of PVC plastics. Health concerns from vinyl chloride include liver cancer, harm to the liver, and changes to the central nervous system. Missouri's current Maximum Contaminant Level for Vinyl chloride in public drinking water systems is 0.002 milligrams per liter (2 parts per billion, ppb). This is EPA's legal limit for vinyl chloride, which was established in 1987, and based on analytical detection limits at the time that the standard was set. This current limit does not fully protect against the risk of cancer due to vinyl chloride exposure. The Environmental Working Group has recommended a health guideline of 0.05 ppb, based on data that shows this as the level that does not pose a significant health risk. This is 40 times lower than the current limit. The new limit of 0.2 ppb proposed by this bill is a step in the right direction and is 10 times lower than the current standard.



MISSOURI HOUSE OF REPRESENTATIVES  
**WITNESS APPEARANCE FORM**

BILL NUMBER: <b>HB 1378</b>		DATE: <b>4/19/2023</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>PAUL MICHALSK;, P.G.</b>		PHONE NUMBER: <b>513-430-1766</b>	
BUSINESS/ORGANIZATION NAME: <b>212 ENVIRONMENTAL CONSULTING, LLC</b>		TITLE: <b>MANAGING PARTNER</b>	
ADDRESS: <b>1776 MENTOR AVENUE</b>			
CITY: <b>CINCINNATI</b>		STATE: <b>MO</b>	ZIP: <b>45212</b>
EMAIL:	ATTENDANCE:	SUBMIT DATE: <b>4/19/2023 12:00 AM</b>	
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			



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>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>PAUL MICHALSKI</b>		PHONE NUMBER: <b>513-430-1766</b>	
BUSINESS/ORGANIZATION NAME: <b>212 ENVIRONMENTAL CONSULTING, LLC</b>		TITLE: <b>MANAGING PARTNER, 212 ENVIRONMENTAL CONSULTING, LL</b>	
ADDRESS: <b>1776 MENTOR AVENUE</b>			
CITY: <b>CINCINNATI</b>		STATE: <b>OH</b>	ZIP: <b>45212</b>
EMAIL: <b>paul.michalski@212environmental.com</b>	ATTENDANCE: <b>In-Person</b>	SUBMIT DATE: <b>4/18/2023 11:53 AM</b>	

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212 Environmental Consulting, LLC is an environmental consulting company that was hired by the City of St. Charles in 2021 to provide expert review and evaluate contamination from several polluters within the Elm Point Wellfield. The USEPA is overseeing the cleanup of the contamination as part of a CERCLA Superfund project designated as the Findett Corp. Superfund Site. In order to protect the public's health, the City has been closely monitoring the movement of the contamination and proactively shutting down the drinking water wells that have been directly impacted by the contamination. To date 6 out of the 7 City drinking water wells have been shut down due to contamination, the most dangerous of which is vinyl chloride. Vinyl chloride is a colorless, flammable gas that evaporates very quickly. Vinyl chloride exists in liquid form if kept under high pressure or at low temperatures (below 77 degrees Fahrenheit). It is used to make polyvinyl chloride (PVC) pipes, wire coatings, vehicle upholstery, furniture and housewares. Vinyl chloride can also be formed in the environment when anaerobic bacteria present in soil break down chlorinated solvents such as tetrachloroethene and trichloroethene. Vinyl chloride is a known human carcinogen that is mutagenic (can induce changes in DNA). Exposure to vinyl chloride can increase the risk of cancer in the liver, blood vessels, kidney, stomach, and skin. Vinyl chloride is particularly harmful to children. In 1974, Congress passed the Safe Drinking Water Act, which authorized the USEPA to set standards for drinking water quality. All public water supplies must abide by these regulations. There are two levels established for over 90 different chemicals, including Maximum Contaminant Level Goals (MCLGs) and Maximum Contaminant Levels (MCLs). MCLGs are non-enforceable public health goals that consider only public health and not the limits of detection or treatment technology effectiveness. Therefore, the MCLGs can be established at concentrations which are not achievable because of technological limitations and/or may not be measurable due to analytical limitations. For chemical contaminants that are carcinogens, the USEPA establishes the MCLG at zero if there is evidence that a chemical may cause cancer and there is no dose below which the chemical is considered safe. Both of these are the case for vinyl chloride and the MCLG is established as zero parts per billion. The MCL is an enforceable standard and is set as close to the MCLG as feasible. However, in establishing the MCL, the USEPA considers the cost and feasibility of available treatment and laboratory analytical techniques. For vinyl chloride the MCL, established in 1987, is 2.0 parts per billion. Despite improvements in both treatment and analytical techniques, the MCL has not been revised by the USEPA or Missouri Department of Natural Resources since 1987. The USEPA has also developed the regional screening levels (RSLs). Screening levels are used when a potentially contaminated site is initially investigated to determine if significant levels of contamination are present to warrant further

investigation (USEPA 2022). The RSLs were developed to provide a consolidated source of screening levels based on the most recent toxicology data combined with USEPA recommended exposure parameters to provide consistency in evaluating potentially contaminated sites. The RSLs are based entirely on human health risk and do not take into consideration costs associated with remediation or the ability to analyze chemicals at the established RSL. RSLs have been developed for exposure to contaminated soil, groundwater, and air. The tapwater RSLs are conservative risk-based screening levels that were developed assuming exposure factors and durations consistent with residential exposure and a carcinogenic risk of  $1E-6$  (meaning one additional case of cancer during a lifetime in a population of a million people) and a noncarcinogenic hazard quotient of 1. The tapwater standards account for ingestion of groundwater, inhalation of volatile chemicals present in groundwater during activities such as showering and washing, and dermal exposure while washing hands or dishes. For vinyl chloride, a unique set of equations is used to develop the RSLs with the intent of establishing a non-prorated early life exposure combined with prorating continuous life exposure to account for the mutagenic carcinogenic effects of vinyl chloride (USEPA 2022). The resultant tap water RSL for vinyl chloride is 0.019 parts per billion. In the past twelve months, groundwater samples collected from four of the City of St. Charles drinking water wells have exceeded the RSL for vinyl chloride with one of those wells exceeding the MCL. The City of St. Charles has taken the appropriate action of suspending operation of these drinking water wells. This has forced the City to purchase supplemental drinking water from the City of St. Louis in order to meet demand; however, as we approach the high-demand summer months, the City may need to resort to rationing water to residents. By lowering the MCL for vinyl chloride to 0.2 ppb, the State will ensure that polluters of natural resources will be required to clean up contaminated sites to levels that ensure protection of human health. The current MCL for vinyl chloride is too high and does not reflect the potential harmful effects to exposure of this pollutant in groundwater. Modern treatment and analytical techniques allow for the MCL to be lowered by one order of magnitude to 0.2 parts per billion. This action will allow the State of Missouri to hold polluters accountable to clean up vinyl chloride to a level where health impacts would be greatly reduced. Without passing this bill, Missouri residents, including those that live in St. Charles, will continue to be exposed to unsafe levels of vinyl chloride in their drinking water. 212 Environmental Consulting, LLC supports this bill to lower the MCL for vinyl chloride by an order of magnitude to 0.2 parts per billion in order to protect the public health and force polluters of natural resources to clean up their contaminated sites.



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>INDIVIDUAL:</b>		
WITNESS NAME: <b>PETER BURNS</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>petebuk@hotmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 1:42 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

**I support reducing the Saint Charles water contaminants.**



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>RAY BESTE</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>raymondsbeste@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/18/2023 3:22 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

That this is even up for 'debate' is laughable at best. No logical person would suggest that any level of this contaminant in our drinking water would be acceptable given the multitude of evidence showing that no level is acceptable. This all comes down to big business vs individual resident health and safety. Do what is right for residents and lower the acceptable level so that big business can stop getting away with contaminating our drinking supply with no ramifications.



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>SCOTT KOENEMAN</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:                  ZIP:
EMAIL: <b>smkoeneman@gmail.com</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/17/2023 8:40 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

**There is no level of vinyl chloride that is safe for anyone. Much less for children.**





MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>STEPHEN GARNETT</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>sgarnett@charter.net</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/18/2023 12:35 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

i am in favor of s bill that would reduce the maximum contaminant level for vinyl chloride in drinking water. This would reduce the current acceptable level of 2.0 down to .2 ppb. We need to act since government agencies will not act on their own. please support this bill



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>TIM MCCABE</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>mccabet@swbell.net</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/18/2023 4:39 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		



MISSOURI HOUSE OF REPRESENTATIVES  
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COMMITTEE: <b>Conservation and Natural Resources</b>		
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<b>WITNESS NAME</b>		
<b>INDIVIDUAL:</b>		
WITNESS NAME: <b>VINCE RATCHFORD</b>		PHONE NUMBER:
BUSINESS/ORGANIZATION NAME:		TITLE:
ADDRESS:		
CITY:		STATE:      ZIP:
EMAIL: <b>vince.ratchford@stcharlescitymo.gov</b>	ATTENDANCE: <b>Written</b>	SUBMIT DATE: <b>4/16/2023 8:03 PM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>		

My name is Vince Ratchford, and I serve on City Council in St. Charles, representing the citizens of Ward 3. I urge you to support this amendment to chapter 640, RSMo, regarding the regulation of the maximum contaminant level of vinyl chloride in drinking water. Vinyl chloride is a substance that does not occur naturally, and proper regulation is one path towards protecting our citizens from this carcinogen. Vinyl chloride has been associated with an increase in multiple types of liver cancer, brain cancer, lung cancer, lymphoma, and leukemia. Additionally, exposure to this dangerous chemical can cause neurological and behavioral symptoms, as well as cause changes to ones' skin and bones. Missouri's efforts to reduce the maximum contaminant level is an important step towards protecting our citizens.



MISSOURI HOUSE OF REPRESENTATIVES  
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<b>TESTIFYING:</b> <input type="checkbox"/> IN SUPPORT OF <input checked="" type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>INDIVIDUAL:</b>			
WITNESS NAME: <b>KATELYN WILLIAMS</b>		PHONE NUMBER:	
BUSINESS/ORGANIZATION NAME:		TITLE:	
ADDRESS:			
CITY:		STATE:	ZIP:
EMAIL: <b>knwilliams722@gmail.com</b>	ATTENDANCE: <b>Written</b>		SUBMIT DATE: <b>4/18/2023 8:35 AM</b>
<b>THE INFORMATION ON THIS FORM IS PUBLIC RECORD UNDER CHAPTER 610, RSMo.</b>			

No level of vinyl chloride is considered safe in water determined by the EPA. There should be no bill stating that 0.2parts per billion are acceptable.



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<b>TESTIFYING:</b> <input type="checkbox"/> IN SUPPORT OF <input checked="" type="checkbox"/> IN OPPOSITION TO <input type="checkbox"/> FOR INFORMATIONAL PURPOSES			
<b>WITNESS NAME</b>			
<b>BUSINESS/ORGANIZATION:</b>			
WITNESS NAME: <b>RAY MCCARTY</b>		PHONE NUMBER: <b>573-680-9478</b>	
BUSINESS/ORGANIZATION NAME: <b>ASSOCIATED INDUSTRIES OF MISSOURI</b>		TITLE: <b>PRESIDENT/CEO</b>	
ADDRESS: <b>3234 W. TRUMAN BLVD.</b>			
CITY: <b>JEFFERSON CITY</b>		STATE: <b>MO</b>	ZIP: <b>65109</b>
EMAIL: <b>rmccarty@aimo.com</b>	ATTENDANCE: <b>In-Person</b>	SUBMIT DATE: <b>4/18/2023 11:36 AM</b>	

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This bill attempts to override EPA maximum contaminant levels of vinyl chloride that are based on science with an arbitrary level that is one-tenth of the federal level. Such a change could impact current cleanup projects and results in a movement of the goal posts when entities are attempting to clean up sites to the federal level. This bill is unnecessary and we are opposed to the bill.