

WELCOME

The RESIDENTIAL BASEMENT SAMPLING MEETING Will Begin at 6:30pm.

Technology Overview -Things to Know

- Attendee video cameras are disabled (we can't see you)
- Attendee screen share is disabled
- All attendees are muted (instructions to unmute will be covered)
- You can leave and rejoin the meeting at any time (unless the meeting is at capacity or you are removed for inappropriate behavior)
- Multiple opportunities for questions will be provided throughout the presentation
- Presentation and additional materials are available <u>www.a2gov.org/BasementSampling</u>

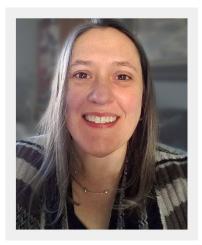




Brian Steglitz Water Treatment Services Manager



Kayla Coleman Community Engagement Specialist



Patti McCall, CPG, PWS Associate Hydrogeologist Tetra Tech



AGENDA



Project Overview

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Background information Parameters for Determining Sampling Areas Programs Details and Sampling Process (20 min)



Open Discussion, Q&A (60 min)



Note: When you raise your hand, the host will enable your microphone. The host will disable your microphone after your question.



- Select Raise Hand
 - You will be identified by the name provided when you entered the meeting
 - Select Lower Har if needed
- Q&A:

Audio Settings ^

- Type your question
- Check Send Anonymously if you do not want your name to be publicly visible with your Question

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Leave

Phone

TETRA TECH

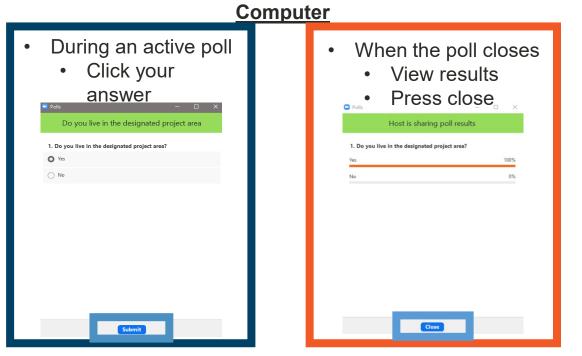
- Select *9 to raise your hand
- You will be identified by the last 3 digits of your phone number





Technology Overview – Polling

Note: When you raise your hand, the host will enable your microphone. The host will disable your microphone after your question.



Phone

- Raise your hand (*9)
- The host will unmute you
- Say your answer to the poll

Note: Phone polling is not anonymous. Everyone in the meeting will be able to hear your response.

Note: Computer polling is anonymous. Your name will not be viewable with your response



Zoom Meeting Norms

- Start on time . . . end on time.
- Raise your hand to be recognized to talk; there will be one speaker at a time
- Move to a quiet area and silence any background sounds when speaking
- Speak loud and clear so everyone can hear
- Everyone will be provided a chance to speak before a repeat speaker
- Be respectful of other ideas and perspectives no finger pointing!
- Try to differentiate between I know (facts) and I think (opinions).
- Inappropriate written and/or verbal comment or language, including personal attacks and accusations, will result in the attendee being removed from the meeting.

Have we missed anything?





WHY ARE WE HERE?

- Ensure the safety of the public by sampling flooded basement water in residential homes.
- These homes are in the Gelman 1,4-dioxane plume footprint where there is the potential for shallow groundwater.



DEFINITIONS

1,4-Dioxane -

- Industrial solvent
- Groundwater contaminant

Gelman Plume -

- Manufacturer of medical and environmental filters
- 850,000 pounds of 1,4-dioxane were used between 1966 and 1986





WHAT'S NOT ON TONIGHT'S AGENDA:

- Consent Judgment
- Superfund Discussion
- Impacts to Scio and Ann Arbor Townships



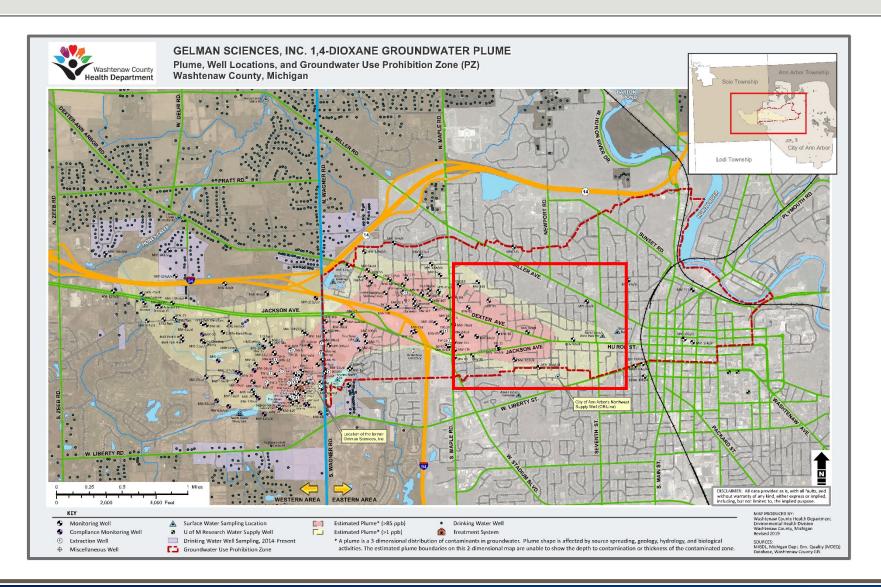


Polling



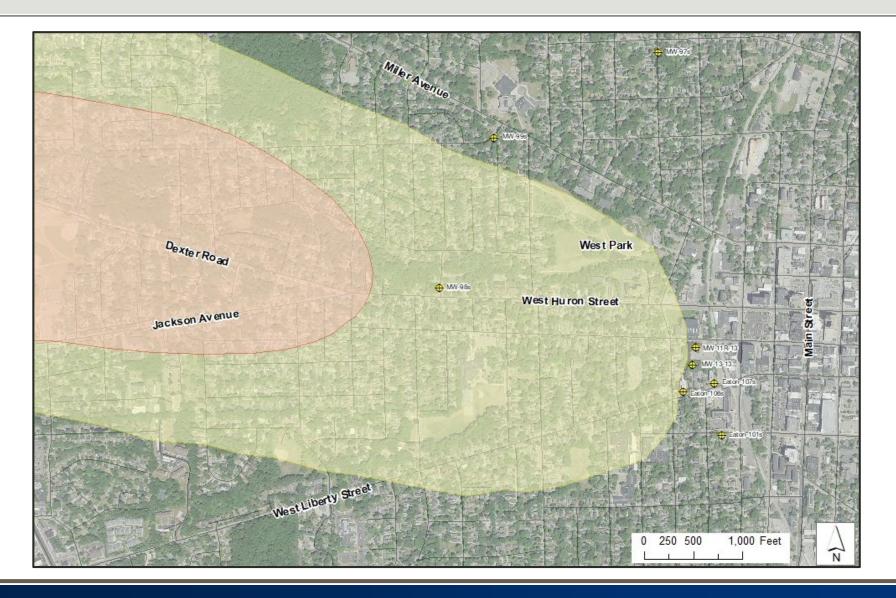
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BACKGROUND INFORMATION





BACKGROUND INFORMATION







Residential Basement Sampling Plan

- Purpose:
 - Determine if target area homes have flooded basements
 - Determine if the floodwater contains 1,4-dioxane
- Approach:
 - Gathered and evaluated existing data in the outlined area
 - Applied parameters to determine potential sampling areas



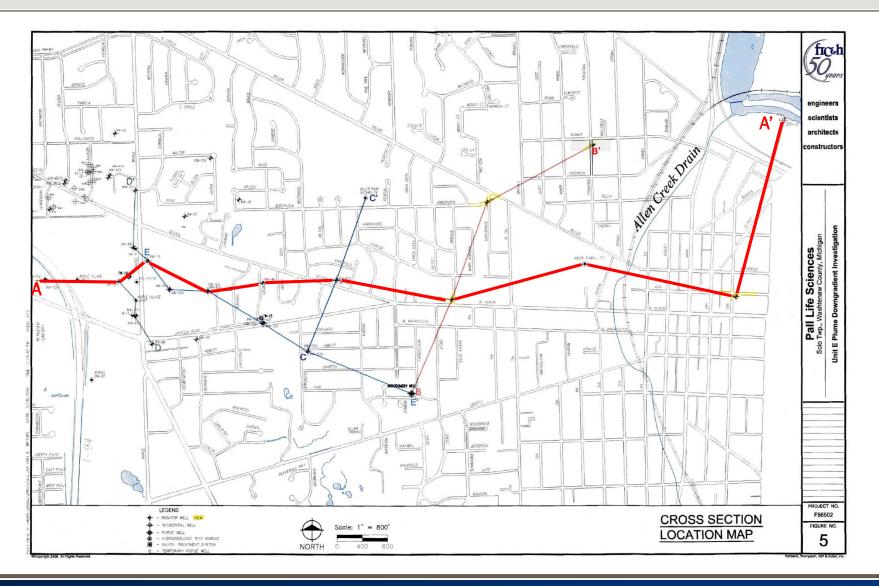
Data Gathered and Evaluated

- Scio Residents for Safe Water (SRSW) plume boundary
- Monitoring well logs
- Groundwater surface maps
- Location of surface water features and drains

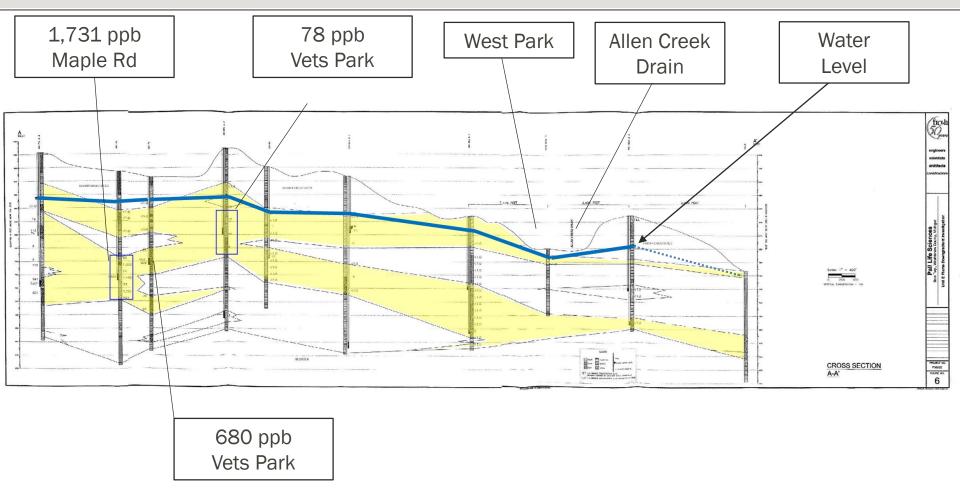
Parameters:

- Within plume boundary
- 850-foot topographic contour line boundary
- Groundwater with potential to be within 25 feet of ground surface elevation

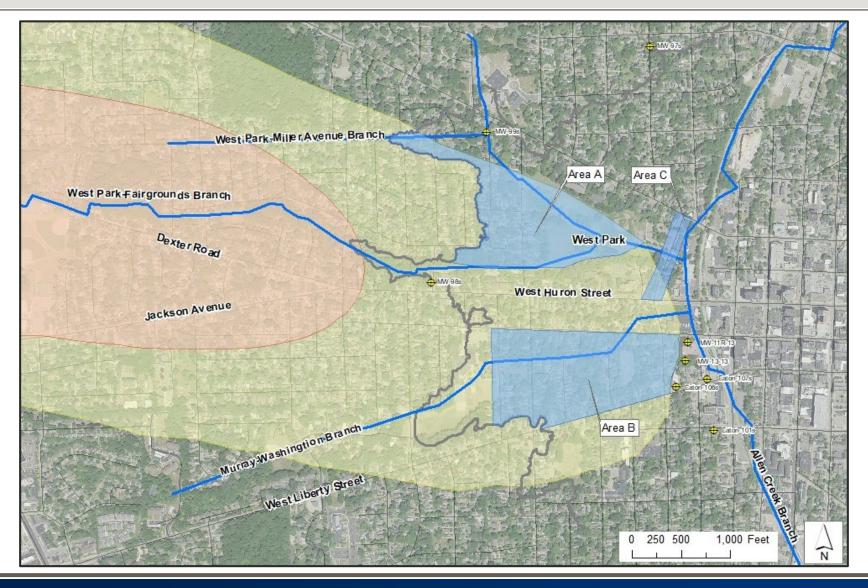






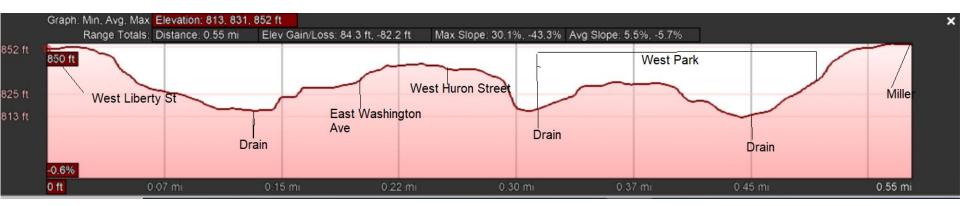








- Elevation profile looking West
- South to North (West Liberty to Miller Road)



Adapted from Google Earth Imagery



Program Details for Homeowners

» Homeowner receives letter and survey

If no, please ind	icate belo	ow by marki	ng the	relevant choice			
My place o	f residen	ce does not	have a	a basement			
□ My basem	ent area	has not floo	ded in t	the past.			
lf yes, please mainformation belo		onth and ye	ar that	flooding last oc	curred a	and provide con	tact
January		April		July		October	
February		May		August		November	
March		June		September		December	
2010		2013		2016		2019	
2011		2014		2017		2020	
2012		2015		2018			
Name:							
Phone:							
Address:							
Email Address:							
lease provide ar	ny additic	nal comme	nts usir	ng the space pro	vided b	elow:	
10	,						

- » Completed survey returned to Tetra Tech (Tt)
- » Contact Tetra Tech if basement floods
- » Tetra Tech completes sampling
- » Letter report to homeowner within one month

Access Agreement and Acknowledgement of Disclosure

ACCESS AGREEMENT	ATTACHMENT A
& ACKNOWLEDGEMENT OF DISCLOSURE FOR CITY OF ANN ARBOR WET BASEMENT SAMPLING	OWNER AND TENANT/OCCUPANT INFORMATION
& 1,4-DIOXANE TESTING PROGRAM	Property Address (Property):
Whereas,(the "Owner") own(s) the property at, City of Ann Arbor, Michigan 48103	Owner Name (Printed) (Owner):
(the "Property").	Contact Number(s):
Whereas, City of Ann Arbor, a Michigan municipal corporation with offices at 301 E Huron Street, Ann Arbor, Michigan 48104 (the "City"), has identified an area in the City near West Park which is located within the footprint of the German 1,4-dioxare plume and where groundwater is at an elevation such that it could enter residential basements under some conditions;	Email:
Whereas, the City has established a voluntary program for the properties within this area for the sampling and testing of wet basements for 1,4-dioxane at no cost to the property owner (the "Program");	Tenant Name: Phone:Email:
Whereas, participation in the Program requires that the Owner grant the City access to the basement of the Property (the "Access") to collect samples which will be tested for 1.4-dioxane and to conduct a visual survey of the basement (the "Work"), and that the Owner provide a survey of products used at the Property;	Tenant Name:Email:Email: Tenant Name:
Whereas, the analytical testing results will be public and will be used by the City and provided to the Owner and agencies of the State and County; and	Phone:Email: Tenant Name:
Whereas, Owner desires to participate in the Program, and is willing to grant the Access to the City in accordance with the terms and conditions in this Access Agreement ("Agreement") and acknowledges that participation in the Program and testing results will be public.	Phone:Email:
NOW, THEREFORE, in exchange for the consideration in this Agreement, the Owner and the City agree as follows:	Dated thisday of, 2020
 Owner has received, read and understood the notification letter from the City explaining the Program. 	OWNER: CITY OF ANN ARBOR
 Owner represents and warrants that if owns the Property in fee simple and that it, and it alone, has the right to enter into this Agreement, and, if applicable, Owner agrees to complete Attachment A regarding any tenants or occupants of the Property. 	By By Tom Crawford Interim City Administrator
 Owner grants the City, its employees, contractors, and authorized agents and representatives, Access to the Property to complete the Work, including permission to: 	By Approved as to substance:
 Enter and depart over and across the Property as needed, including entry into the dwelling and its basement; Use and bring onto the Property all appropriate materials and equipment to collect wet basement water samples and complete a survey of the basement; Conduct wet basement water sampling and analytical testing for 1,4-dioxane; Complete a visual survey of the basement and products and report. 	Craig A. Hupy, P.E. Public Services Area Administrator Approved as to form:
 The City, its employees, contractors, and authorized agents will perform the Work in compliance with the latest health and safety recommendations related to COVID-19 and the Governor's Emergency Orders, as applicable. 	Stephen K. Postema Oity Attorney
5. Owner acknowledges and agrees that the City will complete analytical testing on water sample(s) collected from the basement of the Property and a copy of the testing results will be used by the City and	
provided to the Owner, the State of Michigan Department of Environment, Great Lakes and Energy, and the Washtenaw County Public Health Department.	
6. Owner further acknowledges and agrees that the samples, testing results, data and reports obtained or generated pursuant to this Agreement and the Program will be public and will be subject to disclosure in response to a request submitted under the Michigan Freedom of Information Act, PA 442 of 1976, MCL 15.231 et seq.	
7. The City agrees that Owner's participation in the Program shall be at no cost to the Owner.	
 Owner further acknowledges that on sale of the Property and/or listing of the Property for sale, it may be required to disclose its participation in the Program, that water was collected from the basement of the Property, the results and/or reports of the analytical testing of samples collected from the Property, and other relevant information. 	
9. Owner represents and warrants that there are no unreasonably dangerous conditions on the Property, and Owner agrees it shall be liable for any bodily injuries or property damage that result from any such conditions and shall indeminity, defend and hold City harriless from and against any damages, costs, expenses, and/or losses that arise from any such conditions.	

Owner agrees that this Agreement is not a waiver of and does not alter the City's govern immunity or other immunity under law

[Signatures on next page]

	ATTACHMENT A
OWNER AND	TENANT/OCCUPANT INFORMATION
Property Address (Property):	
Owner Name (Printed) (Owner):	
Contact Number(s):	
Email:	
If you are the Owner of the Property, but tenants/occupants at the Property:	live elsewhere, provide the following information regar
Tenant Name:	
Phone:	Email:
Tenant Name:	
Phone:	Email:
Tenant Name:	
Phone:	Email:
Tenant Name:	
Phone:	Email:
Dated thisday of	, 2020
OWNER:	CITY OF ANN ARBOR
officer.	off of Ann Albor
Ву	Ву
	By Tom Crawford Interim City Administrator
Ву	interim only Automated
	Approved as to substance:
	Craig A. Hupy, P.E. Public Services Area Administrator
	Approved as to form:
	Stephen K. Postema
	City Attorney

- Document must be signed before sampling
- Allows sampling, visual survey
- Results will be shared with Owner, City, **County Health** Department, and State agencies

www.a2gov.org/basementsampling



Basement Sampling Process

- COVID-19 Protections
 - Tetra Tech has a strict self-monitoring protocol
 - Staff will have face coverings, gloves and shoe protectors
 - Equipment will be cleaned and not shared between staff
 - Physical distancing will be practiced
 - Limited interaction inside the house will occur; completing paperwork ahead of time or outside when possible

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Basement Sampling Process

Homeowner contacts Tt if wet basement occurs after rain event

ADDRESS:			SAMPLE ID NUMBER:		
Laundry Detergents	Y	N	Shampoos-	YN	
Tide Original			Pantene Pro-V Nature Fusion		
2X Ultra Ivory Snow (Gentle Care)			Herbal Essences Platinum		
Gain Original			VO5 Passion Fruit Smoothie		
Tide Simply Plus Oxi (Refreshing Breeze)			Love Beauty and Planet Argan Oil and Lavendar		
Persil Original (Familiy Dollar)			John Frieda Brilliant Brunette		
Homeline Original (Family Dollar)			OGX Lavendar Platinum		
All brand with stain lifters (Fresh Rain)			Dove Nutritive Solutuions (Coconut and Hydratic		
Up & Up Fresh Linen (Target Brand)			Head and Shoulders Classic Clean		
Arm and Hammer (Clean Burst, 2x concentrated)			Tresemme Moisture Rich with vitamin E		
LA's Totally Awesome (Dollar Tree)			L'Oreal Elvive Total Repair		
Purex Plus Oxy Stain Removers (Fresh Morning Burst)			Suave Professionals Moroccan Infusions (Color Care)		
Ktra (Tropical Passion)			White Rain Ocean Mist (Dollar Tree)		
Method (Ginger Mango)			Silkience Vitamin B5 and Avocado Oil (Dollar Tree)		
Other Brand:			Garnier Fructis with Active Fruit Protein		
Other Brand:			Other Brand:		
Other Brand:			Other Brand:		
Dish Soaps	Y	N	Body Washes & Gels	YN	
The Home Store Lemon Scented (Dollar Tree)			Victoria Secret (Bombshell Fragrance Wash)		
Up & Up Free and Clear (Target Brand)			Victoria Secret (Love Fragrance Wash)		
Dawn			Olay Moisture Ribbons Plus Body Wash		
Palmolive Raspberry Coconut			Dr.Teal's Pink Himalayan Foaming Bath		
Ajax			Inspire Fresh Water Moisturing Body Wash (Dollar Tree)		
Other Brand:			Neutrogena Rainbath Shower and Bath Gel		
Other Brand:			Soft Whisper by Power Stick (Pomeagranate Lemon Verbena)		
Other Brand:	22		Suave Essentials Body Wash (Wild Cherry Blossom)		
Hand Soaps	Y	N	St.lves Oatmeal and Shea Butter		
Soft Soap Fresh Breeze			Caress Daily Silk Body Wash		
Dial Coconut Water and Mango			Old Spice Swagger Shower Gel/Shampoo		
RJ Walkins (Aloe and Green Tea)			Axe Pheoenix Shower Gel/Shampoo		
Other Brand:			Irish Springs Shower Gel		
Other Brand:			Other Brand:		
Other Brand: 1,4-dioxane is often found in products that lather (Other Brand:		

- Tt staff will mobilize to residence and complete checklist that documents:
 - ✓ Presence of common household products
 - ✓ Location of basement sump if present
 - ✓ Type of flooring
 - ✓ Visible staining
 - ✓ Other pertinent information as identified

Conditions will be documented with photographs if permitted by homeowner



Basement Sampling Process

- Sample will be collected from the sump
- Duplicate sample may be collected for quality control purposes.

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• Sample collection and checklist completion will take up to 30 minutes.



Data Analysis and Reporting

- Water samples analyzed using USEPA Method 522
 - Low detection level
 - Resolution in data
- Resident reports
 - Distributed to homeowner and City of Ann Arbor Personnel
 - Four weeks after sampling
- Final report
 - Distributed to City of Ann Arbor, Washtenaw County Health Department and State of Michigan
 - Spatial distribution
 - All locations sampled



Post Sampling

- Is there a health risk if 1,4-dioxane is detected in my basement water?
 - Result below 29 ppb* is not a health risk
 - Result above 29 ppb will require an evaluation by Washtenaw County Health Department in conjunction with:
 - Michigan Department of Environment, Great Lakes and Energy
 - Michigan Department Health and Human Services

*The 29 ppb was calculated by EGLE toxicologists



Follow-up Expectations

- City
 - Meeting summaries provided to participants no more than two weeks after meeting.
 - Be responsive to schedule for homeowners
 - Access Agreement to program participants
 - Tetra Tech will follow strict COVID-19 protocols; wear masks and remain physical distant; no COVID symptoms and no fever
- Program Participants
 - Homeowner will participate and contact project team
 - Homeowner will sign access agreement prior to sampling
 - Homeowners will follow COVID-19 protocols; wear masks and remain physically distant; not allow sampling personnel in if they are feeling ill.





Polling



Questions

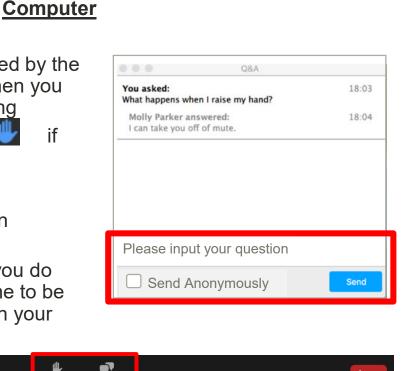
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Audio Settings ^

- Type your question
- Check Send Anonymously if you do not want your name to be publicly visible with your Question



Leave

Phone

- Select *9 to raise your hand
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For more information:

- A2gov.org/BasementSampling
- basementsampling@tetratech.com