

## “Drinking Water Emergency Sampling (DWES) kits”

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1. **DO NOT OPEN** this kit unless you are responding to and sampling a drinking water system due to an emergency event.

If you intend to use this kit notify both of the following numbers for assistance:

1. 24/7 DPHHS State Lab at **1-800-821-7284**
  2. DEQ PWS at **1-406-444-4400** (or after hours with DES at 406- 841-3911)
2. **USES:** This DWES kit is to be used for collecting necessary samples from a drinking water facility during a suspected or credible threat event. These samples will help determine unknown contaminants that may be in the water supply. This is not for compliance and is only a preliminary attempt to determine the risk to public health. Necessary precautions or limitations of the water system should be practiced while the samples are being analyzed and until results are known. These kits will be located at all county health departments, public water supplies over 3300 in population, DEQ Public Water Supply Offices, Hazmat teams, National Guard Civil Support Team, and DPHHS State Lab.
  3. **PLANNING AND ASSESSMENT TOOLS:** Refer to the documents which are accompanying this kit for assistance in site safety and evaluation and to assist in properly responding to an unknown contaminant threat event at a water system.
    - “Sampling Guidance for Unknown Contaminants in Drinking Water” (EPA-817-5-0-003)
    - “Sampling Guide for First Responders to Drinking Water Contamination Threats and Incidents” by New England Water Works Association and EPA
    - Example of Sampling Protocols (that are inside cooler)
    - Example of Chain of Custody Form (that is inside cooler)
  4. **RESPONSE CONSIDERATIONS:** Personal and site safety, evaluations and field analysis, and personal protective equipment should be considered and used. Please note the site and field analysis information on the lab paper work that will accompany the samples. For further information, refer to the reference material. Hazmat teams and law enforcement may need to be consulted and control the site with the water system’s assistance.

5. **CONTENTS OF COOLER:** This cooler contains the bottles and equipment necessary to sample for an unknown contaminant in a water system. This picture shows the contents of the cooler which is followed by a list of contents and analysis that will be conducted on the bottles collected. Sampling protocols and chain of custody guidance are also included in this kit –



**Sample Bottles (Must be returned to the lab)**

- |                          |                             |  |
|--------------------------|-----------------------------|--|
| <input type="checkbox"/> | 3- 1 L amber glass bottles  | Organic Chemical Analysis Semi-Volatiles           |
| <input type="checkbox"/> | 4- 1 L plastic bottles      | Inorganic Chemical Analysis, Metals, Radiologicals |
| <input type="checkbox"/> | 1- 1 gal plastic cubitainer | Inorganic Chemical Analysis, Metals, Radiologicals |
| <input type="checkbox"/> | 1- 500 ml plastic bottle    | Inorganic Chemical Analysis, Nutrients             |
| <input type="checkbox"/> | 3- glass vials              | Volatile Organic Chemical Analysis                 |
| <input type="checkbox"/> | 3- sterile 120 ml bottles   | Microbiological Analysis                           |

**Supplies (Must be returned to the lab)**

- 1- roll of evidence tape
- 2- permanent Sharpie markers
- 2- pair of plastic safety goggles
- 2- Laminated Instruction Cards

**Documentations (Must be returned to the lab)**

- Chain of Custody Form
- Emergency Response Sampling Protocols and Request Form

**Supplies (disposable)**

- 2- 1 gallon Ziplock baggies
- 2- pair of medium nitrile gloves
- 2- pair of large nitrile gloves
- 2- pair of 2xl disposable coveralls

**6. CONTACTS AND RESOURCES:** This list of contacts may be helpful in an event but is not all inclusive. Think carefully about whom your partners are and who may need to be involved with your response and mitigation. It never hurts to inform as a heads up. Just be careful about releasing critical information that may compromise an investigation. Work as a unified command and have a public information officer.

<u>Agencies to consider notifying or getting assistance from:</u>	<u>phone:</u>	<u>email or web:</u>
<input type="checkbox"/> 911 (if necessary)		
<input type="checkbox"/> MT Dept. Environmental Quality- Public Water Supply Program:	406-444-4400	(after hrs. DES)
<input type="checkbox"/> MT Dept. Public Health Human Services – 24/7 Lab:	800-821-7284	
<input type="checkbox"/> City/County Health Department:		
<input type="checkbox"/> Local Law Enforcement:		
<input type="checkbox"/> Local Fire Department:		
<input type="checkbox"/> County Office of Emergency Services/DES Coordinator:		
<input type="checkbox"/> City/Town Official(s):		
<input type="checkbox"/> Local Medical Response/Hospital(s):		
<input type="checkbox"/> Local Power Company:		
<input type="checkbox"/> Suppliers (chemical / equipment):		
<input type="checkbox"/> Local Wastewater Treatment Plant:		
<input type="checkbox"/> Media: (public information officer?)		
<input type="checkbox"/> NOAA Emergency Alert System (EAS):		<a href="http://www.wrh.noaa.gov">www.wrh.noaa.gov</a>
<input type="checkbox"/> MT Water/Wastewater Agency Response Network:		<a href="http://www.mtwarn.org">www.mtwarn.org</a>
<input type="checkbox"/> State Disaster and Emergency Services (DES):	406-841-3911	<a href="mailto:mtdes@mt.gov">mtdes@mt.gov</a>
<input type="checkbox"/> HAZMAT & National Guard CST Team:	406-841-3911	
<input type="checkbox"/> EPA/National Response:	800-424-8802	
<input type="checkbox"/> US Federal Bureau of Investigation (FBI):	801-579-1400	
<input type="checkbox"/> US Dept. Homeland Security (DHS)– Protective Security Advisor (PSA):	406-839-1165	
<input type="checkbox"/> Montana All Threat Intelligence Center – criminal:	406-444-1330	<a href="mailto:dojintel@mt.gov">dojintel@mt.gov</a>
<input type="checkbox"/> Highway Patrol:	800-525-5555	
<input type="checkbox"/> WaterISAC (Information Sharing and Analysis Center):	866-426-4722	<a href="mailto:info.@waterisac.org">info.@waterisac.org</a>
<input type="checkbox"/> Poison Control:	800-222-1222	

**7. HANDLING AND STORAGE of kit:** Until use, please store these sample kit coolers in a warm, dry, and known location. Periodically staff of DPHHS State Lab may be calling you to verify that these kits are still in place and in good condition. If this kit needs to be used for an emergency, replacements or duplicate kits are available. Upon filling and preparing to transport the kits to the lab, call DPHHS State Lab 24/7 at 1-800-821-7284 to notify them of its arrival and to get advice on delivery options. The State Lab has various transport venues available such as a statewide courier service. Important to note, if this cooler has been placed in a hot zone or exposed to potential contamination, it is necessary to decontaminate the outside of this cooler before transport. Use all safety precautions and necessary professionals to keep everyone involved safe and healthy.



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