

Site-Specific Public Health Action Plan for Private Drinking Water Wells

Enter Site Name

Updated October 17, 2018

Complete each of the following sections. Red italicized text are instruction and should be deleted once section is completed.

Site Team

Agency	Name/Role
MDHHS	Lead Toxicologist
	Health Educator
MDEQ (add row for EPA, if needed)	Project Manager
Local Health Dept.	

Section 1: Reason for the Investigation

The Reason for the Investigation section includes a brief background overview of the characteristics that led the regulatory agency to begin sampling private drinking water wells including the description of what is suspected or known about a localized PFAS source. This section includes PFAS groundwater data, if known, as well as information about the suspected source. Note to MDEQ: Review MPART summary document. The summary can be the basis for most, if not all, of the information needed for this section.

Enter Text Here

Section 2: Sampling Plan Rationale

The Sampling Plan Rationale describes the logic for selecting a given set of private wells for sample collection. Attachment 1 provides some of the factors that should be considered, including groundwater flow speed and direction. The plan should include a map of the sampling area, as well as text explaining the plan, including the expected spatial extent of the results and the known and/or expected limitations and uncertainties associated with the data. This section should include a proposed timeline for sample collection, analysis, and reporting validated data to partner agencies. Other site-specific information may be highlighted in this section to explain sampling decisions.

Enter Text Here

Section 3: Data Evaluation Response Plan

The Data Evaluation Response Plan section is created using the Private Drinking Water Well Decision Framework to guide a multi-agency conversation to determine what actions are taken based on the private well analytical results. The data evaluation response plan identifies actions that limit residents' risk of hazardous exposures to PFAS contaminated groundwater.

- The actions must address uncertainties associated with PFAS source location, strength, and movement relative to the location of private drinking water wells.*
- The actions must include communication of residential drinking water results, source characteristics, drinking water recommendations, health education, and the reasons for public health actions.*

Enter Text Here

Section 3.1: Category 1 and 2 Sites or Category 3

Category 1 and 2 Sites: *Actions must include one or more of the following approaches:*

- 1. timely implementation of a PFAS groundwater sampling approach that monitors for temporal and spatial fluctuations of PFAS groundwater levels allowing for detection of hazardous PFAS levels occurring in private drinking water wells in and around the mapped sampling area, and a public health evaluation of potential health risk.*
- 2. repeat sampling and analysis of private wells for PFAS within the mapped sampling area until a data set is established across seasonal and temporal variations that demonstrates low risk of hazardous PFAS levels occurring in the private drinking water wells.*
- 3. MDEQ provides summary of actions and results for the Site Team to use in developing a communications plan for local health department. This explains to residents that the results indicate that private drinking water wells do not require further sampling.*

Enter Text Here

Category 3 Sites:

- 1. timely investigation, ranging from desk-top efforts to sample collection in the field, of the suspected source, and a written summary made by the regulatory agency (MDEQ or US EPA) that will guide the Site Team to move the site to either a Category 2, opening a site investigation, or further investigation is not needed status, providing residents communication on why groundwater monitoring data is not needed for this site.*

Enter Text Here

Section 4: Public Health Action Logistics

Public Health Action Logistics section operationalizes flow of data and information to all departments on the Site Team, results reporting to the residents, health education messaging to individuals and the community, and the delivery of any public health-provided interim alternate water

Enter Text Here

Template

Figure 1: Site Map

