

APHC Water Kit Field Data Sheet

DOEHRS Sample ID:
DOEHRS Blank ID:

***Country/Location:
Lab Use Only Temp °C:

Field/Local Sample ID :		Collection Date and Time:				
Collector's Email:		Collector's Phone No.:			Collector's Rank and Unit:	
Sample Reason (select one): OEHSA/Exposure Pathway Incident Report Other		Deployment Duration: _____ months				
Exposure Notes (Exposure Pathways ID(s) or Incident Name Required. Notes required when Reason = Other.)					Geo-location of Sampling Point:	
WSC: Natural Water Source Name: _____						
Type of Source (select all that apply): Ground Surface Ground water under direct influence of Surface water						
Water Source (select all that apply): Well Spring River Stream Pond Lake Rain Ice Snow Sea Ocean						
If Sampled Water is Natural/Raw, proceed to Water System Sampling Point Details below.						
All other situations: complete (1) Water System Component (WSC) area below for the type of water sampled. <i>Note: If Natural Water or Containerized with only disinfection, add sample as an "Untreated Kit" Sample in DOEHRs; otherwise add as a "Treated Kit"</i>						
WSC: Municipal Water System Name: _____						
WSC: Field Treatment System Name: _____				Serial Number:		
Operating Organization: DOD Contractor NATO Other(Specify) _____				Unique ID of Treatment System:		
If Military: 600 GPH 3000 GPH TWPS Marine Corps -LWPS Army-LWP Other(Specify) _____						
If Civilian: High Pressure Membrane/Sea Water Low Pressure Membrane/Brackish Water Other(Specify) _____						
WSC: Water Container Name: _____				Unique ID of Container:		
Serial Number (if applicable):		Volume : _____ Gallons		Container Specification: MILSPEC Commercial		
Container Type: Water Trailer Water Tank Truck Fabric Tank/Bladder Fixed Tank						
Materials of Container: Steel Concrete Fiberglass Plastic Other _____						
WSC: Water Pipe Distribution System Name: _____						
Construction of Pipe Network: Above ground Below ground Both above and below ground						
Pipe Materials (select all that apply): Polyvinyl Chloride Asbestos Cement Pipe Cast Iron Canvas Alloy Copper/Nickel Galvanized Steel Other _____						
Water System Sampling Point Details (only complete this area if the sample submitted is NOT bottled)						
Building/Site:			Sample Point:			
Disinfection technique (select all that apply):	NONE	chlorine gas	calcium hypochlorite	sodium hypochlorite	electrolytic chlorine solution (e.g. MIOX)	
	Chloramines	Chlorine Dioxide	Ozone	Ultraviolet Radiation	Unknown	
Treatment technique (select all that apply):	NONE	Adsorption	Air Stripping/Recarbonation	Filtration	Estimated Drinking Rate (e.g. 2L/day):	
	Flocculation/sedimentation	Ion Exchange	Fluoridation	Unknown		
Water Use(s) (select all that apply):	All water uses	Drinking	Brushing Teeth	Hand/Face Washing	Showering	In Foods/Drinks
	Washing Food	Cleaning Food Facility Items	Ice Production	SCUBA Diving	Recreation	
	Treatment Source	Other (Specify) _____				
Bottled Water (only complete this area if the sample submitted is bottled)						
Manufacturer:			Brand:			
Bottling Location:			Lot #:			
Field Data (enter this data in the Routine Water Monitoring Section of DOEHRs-IH EHM). Reference its DOEHRs ID here: _____						
pH:	Temperature (°C):	Turbidity (NTU):	TDS (mg/L):	Total Coliform (+ / -):	E. coli:(+ / -):	FAC (ppm) (if disinfected):

APHC Water Kit Field Data Sheet Instructions

Notations: When handwriting a zero, put a slash through it “0”, if it does not have a slash “O” it will not be read as a number. When writing a “Z”, put a dash through it “Z” to differentiate it from a “2”. When writing a “5”, make sure it does not look like an “S”. Write in all CAPITAL letters if possible.

Country/Location: Country and Camp/FOB/Outpost. Country name may be abbreviated. Camp name MUST be spelled out clearly.

Collection Date and Time: Date sample was collected (e.g. 2014/01/15). (Sample Date should also be recorded on the sample label.)

Field/Local Sample ID: Sample ID number CCC_LLLLLL_YYYYMMDD_MMTW (Sample ID should also be recorded on the sample label.)

Where: CCC - Country 3 letter abbreviation code; LLLLLL - Camp abbreviation (i.e. first six letters of camp name); YYYYMMDD - date sample was taken [e.g. 20050115 for 15-Jan-2005]; MMTW - Water sample number for that camp on that particular day (e.g. 01TW, 02TW, 03TW, etc)

Collector's Name: The name of the person collecting the sample.

Collector's Email/Phone No./Rank and Unit: The email address of the person collecting the sample (e.g. john.doe@us.army.mil) and their supporting information (e.g. SSG Doe AML, CPT Smith, 71st MEDDET, etc).

Deployment Duration: How long are Service members expected to stay at the location where the sampling is being conducted?

Geo-location (e.g. MGRS) of Sampling Point: Use this field to supply a **Geolocation:** Classified Locations should not be entered. Classified coordinates should be sent to usarmy.app.medcom-phc.mbx.desp-request@mail.smil.mil. with the Field/Local ID and/or DOEHRs ID. Enter only one of the following coordinate systems: Lat/Long (Decimal Degrees); Lat/Long (Degrees/Minutes/Seconds); Universal Transverse Mercator (UTM) Coordinates; Military Grid Reference System (MGRS) Coordinates.

Sample Reason: Why the sample is being collected (Select One). OEHSA/Exposure Pathway: Most samples are in response to characterizing an Exposure Pathway (EP). The ID(s) of the EP(s) MUST be listed in the Exposure Notes sections. This is required for DOEHRs ID generation. Incident Report (IR): If the sample was in response to an IR, the IR must be documented in DOEHRs and the name documented on the FDS. ALL IRs must be discussed with APHC. Other: For samples not used to characterize EP or IRs, write in a detailed rationale for why the sample was collected and submitted for analysis.

Exposure Notes: Any additional notes beyond the EP ID(s) and IR names such as odors, production issues, and other concerns specific to that unique sample.

Selecting the Water System Component to Use:

Water System Component	Types of Samples	Examples
Natural Water Source	Raw water sample collected prior to any treatment	<u>Raw</u> water samples; samples with <u>disinfection only</u>
Municipal Water System	Samples collected within a water treatment plant <i>prior</i> to complete treatment	Filtered water samples collected prior to disinfection <i>before</i> entering the distribution system
Field Treatment System	Samples collected from a military field treatment system	Samples collected <u>directly</u> from a ROWPU or TWPS at a training range or contingency base
Water Container	Samples collected from a military water storage container	Samples collected <u>directly</u> from an onion tank, hippo, camel at a training range or contingency base; or samples from a tap in a facility <u>gravity feed</u> by a container.
Water Pipe Distribution System	Samples collected in the distribution system	Samples collected from taps with <u>established pipe infrastructure</u> or a Forward Area Water Point Supply System (FAWPSS)

Bottled/Packaged Water Source: Complete this section if the sampled water is bottled.

If there is a correct existing (Building/Site + Sampling Point) entry in DOEHRs for the sample being collected it should be used. Please minimize redundancy by not adding duplicate entries

Building/Site: The general location and/or area where the sample was collected and/or if there is an applicable building name/number.

Sampling Point: This is more specific than the Building/Site. It is the tap and/or room where the sample was collected from.

Disinfection Technique: Select the applicable choice(s).

Treatment Technique: Select the applicable choice(s).

Water Use(s): Select the applicable choice(s).

Estimated Drinking Rate: Write in the estimated drinking (i.e. ingestion) rate for the water as it currently sampled in Liters per day.

Field Data: Enter the field results in the Routine Water Monitoring Module of DOEHRs. A Sample Profile and One-Task will be needed. See tutorials here: https://phc.amedd.army.mil/topics/envirohealth/hrasm/Pages/DOEHRs_Resources.aspx

pH: The initial pH of the water before the sample is taken or before preservatives are added, if known.

Temperature: The initial temperature of the water in degrees Celsius, obtained from on-site testing

Turbidity: The initial turbidity of the water being sampled in NTU, obtained from on-site testing.

TDS: The initial total dissolved solids in milligrams per liter (mg/L), obtained from on-site testing

Total Coliform: Indicate if it is present with a '+' or indicate if it is not present with a '-'

E. coli: Indicate if it is present with a '+' or indicate if it is not present with a '-'

FAC (free-available chlorine): The initial FAC of the water being sampled in ppm, obtained from on-site testing