HARFORD COUNTY PUBLIC SCHOOLS
Inspire • Prepare • Achieve

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ADDENDUM #1

Bid #25-JHP-022

Sampling and Laboratory Testing of Drinking Water

TO: **ALL BIDDERS**

FROM: **Jennifer Horner, CPPB, Procurement Agent**

DATE: **May 12, 2025**

This Addendum is issued in response to prospective bidder's inquiries and to add/clarify verbiage in the Bid.

1. **DELETE**: Bid Specifications, Page 23, Section 3.6.6 - SOCs – Sample drawn, analyzed, and report submitted to MDE and copied to HCPS as per State requirements.

2. **DELETE**: Bid Form, Page 36, Item #7 –

Item	Description	Sample Qty	Amt Per Sample	Extended Amt	Turnaround Time (in days)
7	**SOCs**	1	$	$	
	Laboratory Performing Analysis:				

3. **DELETE**: Attachment #1, Frequency of Analysis for Small Water Systems.

   ADD: Attachment #1, Frequency of Analysis for Small Water Systems REVISED (see attached).

4. **QUESTION**: Can you please provide a list of the analytes required under item 7, SOCs?

   ANSWER: Refer to #1 - #3 of this Addendum.

5. **QUESTION**: Can you please provide a list of analytes you anticipate for item # 13, New Well Parameters?

   ANSWER: The MDE form "Sampling Procedures for New Public Supply Wells" is attached. The bid price should be based on the information on this form, **excluding** Section H - Testing for Surface Water Influence. MDE will determine the necessary sampling for that section. Additional sampling required by MDE at the time a new well is installed will be handled on a case-by-case basis.

6. **QUESTION**: What is the total contract value of the incumbent vendor?

   ANSWER: Approximately $36,000.

7. **QUESTION**: Is the laboratory responsible solely for picking up the samples from the schools, or are we also expected to perform the actual sampling at designated points using a certified sampler?

   ANSWER: The laboratory is responsible for the actual sampling using a certified water sampler. Designated sampling sites will be given to the awarded bidder.

8. **QUESTION**: In cases where certain tests are subcontracted to another laboratory, would HCPS accept the Maryland Department of the Environment (MDE) credentials of the subcontracting lab?

   ANSWER: Yes, HCPS would accept the MDE credentials of the subcontracting lab.

9. **QUESTION**: Is the laboratory responsible for reporting any results directly to MDE, or will that be managed by HCPS?

   ANSWER: The laboratory is responsible for reporting all results directly to MDE and HCPS.

I hereby acknowledge receipt of Addendum #1 dated May 12, 2025 to Bid #25-JHP-022 Sampling and Laboratory Testing of Drinking Water.

_____	_____
Company	Name (Print or Type)
_____	_____
Authorized Signature	Date

Note: Bidder shall sign and submit Addendum with submission. The same person signing the Addendum shall sign the Bid Form. Failure to submit the Addendum may deem your bid as non-responsive.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER SUPPLY PROGRAM

SAMPLING PROCEDURES FOR NEW PUBLIC SUPPLY WELLS (NTNC)

The current requirements for testing of new water supply wells for non-transient noncommunity water systems are summarized in this document. The tests must be completed and submitted to the Water Supply Program (WSP) for approval prior to placing a well in operation. This testing is also required prior to issuance of MDE's Water Treatment Facilities construction permit. **The samples must be collected by a State-certified sampler and the tests performed by a State-certified lab using approved drinking water methods.** *The labs are required to submit data using MDE self-monitoring report forms for all primary standards. Please organize the data according to the headings A through I described below. In addition, laboratory reports and chain of custody forms are to be submitted from all laboratories performing analyses.* It is important that the sample be representative of the water in the aquifer, that there is no contamination from water used during drilling or well development, and that the well is fully developed prior to sample collection. To ensure the collected water sample is representative of the water in the aquifer, at least three times (3x) the well volume should be pumped out of the well by a method other than air. *The best time to sample is typically near the conclusion of an aquifer test or well yield test.* Stable turbidity, temperature, pH and conductivity are good indicators to determine when to sample. The well and any down-hole equipment must be disinfected and dechlorinated prior to bacteriological sampling. The water needs to be free of chlorine prior to collection.

There often are site specific conditions which could warrant testing additional parameters, testing certain parameters over an extended period or testing a more limited number of parameters. Requests for a reduction in testing parameters must be made in writing with reasons provided. If the new well is in an existing well field or replacing an existing well, the required testing may be reduced.

For proper sampling containers, preservation and holding times consult with an approved laboratory. Testing for all parameters is to be performed on unfiltered samples.

The following parameters are required to be tested for new sources:

A. **Bacteriological** - test for enumeration (MPN) of total coliform and *E.coli*, if total coliform is present (include check for chlorine residual).
Final bacteriological testing will be required for raw and finished water after the water treatment facility has been constructed and disinfected.

***** Additional bacteriological results will be required within 1 month prior to the issuance of the Certificate of Potability.***

B. **Turbidity, Temperature, pH, Conductivity** - it is often useful to determine if the pH rises with stirring. Temperature, pH, and conductivity are required to be analyzed at the time of collection in the field. Report initial (field) and final (laboratory) values.

C. **Secondary Constituents/Other Constituents**

1) Chloride
2) Alkalinity
3) Hardness
4) Total Dissolved Solids (TDS)
5) Total Sulfide
6) Calcium
7) Iron
8) Manganese
9) Zinc
10) Color
11) free CO_2 required for sources with pH less than 6.0 (as based upon pH analysis collected in the field)
12) Sodium
13) Bromide
14) Total Organic Carbon (TOC)

D. Inorganic Compounds (IOCs)

Test for all contaminants listed on Inorganic Self-Monitoring Report (IOC/MDE/WMA/COM.008) except as noted below. Detection levels for testing are in every case ½ the Maximum Contaminant Level (MCL) or less and can be found in 40 CFR 141.

**Nitrate samples will be required within 3 months prior to the issuance of the Certificate of Potability for all sources when levels are 5 mg/l or greater.

1) Also test for lead and copper. Detection level for lead is 5 parts per billion (ppb) and is 50 ppb for copper.
2) Asbestos and cyanide testing are required for sources vulnerable to these contaminants, as determined by the Water Supply Program.

E. Volatile Organic Compounds (VOCs)

Test for all contaminants listed on Volatile Organic Self-Monitoring Report (VOC/MDE/WWMA/COM.032). Required detection level for all VOC contaminants is 0.5 ppb.

F. Synthetic Organic Compounds (SOCs)

The SOCs are listed on Organic Self-Monitoring Report (SOC/MDE/WMA/COM.007). Wells are classified by the WSP to be in confined or unconfined aquifers. *Testing for SOCs is not required for wells in confined aquifers*.

Testing for SOCs is required for wells in unconfined aquifers. Diquat, dioxin, endothall and glyphosate testing is not required at unconfined sources. Dioxin testing, however, may be required at unconfined sources near military installations or superfund sites.

G. Radiological Contaminants

1) Gross alpha particle radioactivity.
2) Gross beta and photon radioactivity from man-made radionuclides*** is only required when a supply is potentially affected by a source of radioactive contamination.

*** WSP SPAD Project Manager must make an evaluation for the need to monitor for beta particle and photon radioactivity. Proximity to nuclear facilities, research facilities, hospitals, universities, laboratories, and/or pharmaceutical companies and/or existing water quality data for the water system will be evaluated.

3) Radon testing is required for wells in Baltimore, Carroll, Cecil, Frederick, Harford, Howard, Montgomery, and Washington Counties.

H. Testing for Surface Water Influence

If your cover letter specifies testing for Groundwater Under the Direct Influence (GWUDI), please see the attached sampling protocol with directions on the sampling and analyses for the *[New Well]*. Any questions regarding this requirement should be directed to Source Protection and Water Appropriation Division of the Water Supply Program.

I. Per- and Polyfluoroalkyl Substances (PFAS)

If your cover letter specifies testing for per- and polyfluoroalkyl substances (PFAS), test for the twenty-five (25) PFAS listed under EPA Method 533. Testing for PFAS is required for wells in unconfined aquifers.

Contact the Water Supply Program (410-537-3714) with any questions.

Rev. 6/2023

Attachment #1

HARFORD COUNTY PUBLIC SCHOOLS

Frequency Of Analysis for Small Water Systems REVISED

(as of March 2025)

Location	Bacteria/Cl_2	Nitrates	TTHMs/ HAA5s* Stage 2**	Lead and Copper	IOCs and Arsenic	SOCs	VOCs
Churchville Elem. 2935 Level Road Churchville, MD 21028	1 per Quarter	Quarterly	Annually in September by System	5 samples; triennial; 6/01 and 9/30/27	Triennially by System by 01/31/28		
Dublin Elem. 1527 Whiteford Road Street, MD 21154	1 per Quarter	Annually (1st Quarter)	Triennially in September by System - **2027**	5 samples; triennial; 6/01 and 9/30/26	Triennially by System by 01/31/28		
Fallston High 2301 Carrs Mill Road Fallston, MD 21047	2 per Month	Annually (1st Quarter)	Annually in September by System	10 samples; annual; 6/01 and 9/30/25	Triennially by System by 01/31/28		
Fallston Middle 2303 Carrs Mill Road Fallston, MD 21047	2 per Month	Annually (1st Quarter)	Annually in September by System	10 samples; triennial; 6/01 and 9/30/27	Triennially by System by 01/31/28		
Forest Hill Elem. 2407 Rocks Road Forest Hill, MD 21050	1 per Quarter	Quarterly	Annually in September by System	10 samples; annual; 6/01 and 9/30/25	Triennially by System by 01/31/28		Monthly by system
Harford Academy 100 Thomas Run Road Bel Air, MD 21015	1 per Quarter	Quarterly	Triennially in September by System - **2026**	10 samples; 6 mo; 1/01 and 6/30/25	Triennially by System by 01/31/28		
Harford Technical High 200 Thomas Run Road Bel Air, MD 21015	2 per Month	Quarterly (Alternate Nitrate Level)	Annually in September by System	20 samples; 6 mo; 1/01 and 6/30/25	Triennially by System by 01/31/28		**2026** 1st quarter VOCs
Harford Technical High Concession Stand	1 per Quarter	Annually (1st Quarter)	Not Required	N/A	N/A	N/A	N/A
Jarrettsville Elem. 3818 Norrisville Road Jarrettsville, MD 21084	1 per Quarter	Annually (1st Quarter)	Annually in September by System	20 samples; 6 mo; 1/01 and 6/30/25	Triennially by System by 01/31/28		

Location	Bacteria/Cl_2	Nitrates	TTHMs/ HAA5s* Stage 2**	Lead and Copper	IOCs and Arsenic	SOCs	VOCs
Norrisville Elem. 5302 Norrisville Road White Hall, MD 21161	1 per Quarter	Quarterly	Annually in September by System	10 samples; 6 mo; 1/01 and 6/30/25	Triennially by System by 01/31/28		
North Bend Elem. 1445 North Bend Road Jarrettsville, MD 21084	1 per Quarter	Annually (1st Quarter)	Annually in September by System	20 samples; 6 mo; 1/01 and 6/30/25	Triennially by System by 01/31/28	Atrazine Annually by System (1st Q)	
North Harford Elem 120 Pylesville Road Pylesville, MD 21132	1 per Quarter	Quarterly	Annually in September by System	5 samples; annual; 6/01 and 9/30/25	Triennially by System by 01/31/28		
North Harford High 211 Pylesville Road Pylesville, MD 21132	2 per Month	Annually (1st Quarter)	Annually in September by System	10 samples; annual; 6/01 and 9/30/25	Triennially by System by 01/31/28		
North Harford Middle 112 Pylesville Road Pylesville, MD 21132	2 per Month	Quarterly	Annually in September by System	10 samples; triennial; 6/01 and 9/30/27	Triennially by System by 01/31/28		
Prospect Mill Elem 101 Prospect Mill Road Bel Air, MD 21015	1 per Quarter	Quarterly	Annually in September by System	10 samples; triennial 6/01 and 9/30/27	Triennially by System by 01/31/28		**2026** 1st quarter VOCs
Youth's Benefit Elem 1901 Fallston Road Fallston, MD 21047	2 per Month	Annually (1st Quarter)	Annually in September by System	10 samples, annual; 6/01 and 9/30/25	Triennially by System by 01/31/28		

Dates based on correspondence from Maryland Department of the Environment “Schedule of Monitoring Requirements for Public Water Supplies”

* TTHMs are total trihalomethanes, HAA5s are haloacetic acids. Both are disinfection by-products.

TTHMs/ HAA5s Stage 2 – Sampling is annually in **September.