

# **LABORATORY AUDIT REPORT**

**HCWD #1 PIRTLE SPRING WATER LABORATORY**

**KY ID # 00064**

**1500 Shipley Road  
Cecilia, KY 42724**

**Audit Performed on March 09, 2022**

**By:**

**Ted Pass II- Kentucky Microbiology Certification Officer**

**March 13, 2022**

**Laboratory Audit Report  
HCWD#1 PIRTLE SPRING WATER LABORATORY**

**Kentucky Laboratory 00064  
1500 Shipley Road  
Cecilia, KY 42724  
Audit Performed on March 09, 2022  
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**SUMMARY**

Pirtle Spring Water Bacteriological Laboratory (PSWBL) was audited on **MARCH 09, 2022** for all drinking water microbiology Analyte-method pairs for which Kentucky's Drinking Water Laboratory Certification Program certifies the laboratory. The complete list of all certified Analyte-method pairs is attached to this report. The laboratory audit included physical facility; personnel; quality assurance and data reporting; interview with analysts; laboratory records; and a sample data review. The laboratory was found to be compliant with Kentucky's Drinking Water Regulation (401 KAR 8:040) and the EPA Guidance Manual for the Certification of Laboratories Analyzing Drinking Water; Criteria and Procedures Quality Assurance, 5<sup>th</sup> Edition (January 2005).

**INTRODUCTION**

In accordance with Kentucky's Drinking Water Regulation (401 KAR 8:040), PSWBL was audited on March 09, 2022 for all drinking water microbiology Analyte-methods for which they are certified. The audit was performed by Ted Pass II of the Department for Environmental Protection; Division of Water.

The audit consisted of a pre-meeting, laboratory tour, analyst interviews, records review, data evaluation and a close-out meeting. PSWBL personnel were involved in the initial and close-out meeting, and discussions at the individual workstations. **The audit was performed remotely utilizing an Audio Call and FaceTime and included the following:**

1. Initial meeting with all key laboratory personnel;
2. Sample Receiving – log-in procedures used;
3. Method Workstations – interviews with analyst(s) responsible for the specific method analyses. Audit checklists are utilized to provide consistency and ensure that all pertinent issues are addressed.
4. Review of Documentation – including laboratory Quality Assurance Project Plan, Standard Operating Procedures, Health and Safety Plan, employee training, control charts, and records retention;
5. Data Review;
6. Close-out meeting with all key laboratory personnel.

**CERTIFICATION STATUS**

The attached Certified Analyte List shows the certification status of all method-analyte pairs for which the laboratory has requested certification in 2022.

**DEVIATIONS**

During the audit, the auditor observed no deviations.

**OBSERVATIONS**

During the audit, the auditor observed no recommendations.

**DATA EVALUATION/AUDIT**

Two sample results and raw data were reviewed for completeness. The raw data for all requested samples included all necessary documentation for auditor to re-construct the sample results. The table below shows the results of the evaluation.

<b>Ref #</b>	<b>Lab ID</b>	<b>Contaminant</b>	<b>Data Review Outcome<sup>1</sup></b>
1	07121140	Total Coliform	Acceptable
2	01122055	Total Coliform	Acceptable

1. Acceptable outcome is defined as all records were available for a complete data review and the reported result was verified.

**REVIEW OF PREVIOUS AUDIT REPORT – VERIFICATION OF OUTSTANDING CORRECTIVE ACTION REQUIREMENTS**

The previous on-site audit report, dated JUNE 18, 2020 reported no (0) deviations that required a laboratory corrective action and response.

**CORRECTIVE ACTION REQUIRED**

NONE

**CONCLUSION**

HCWD#1 Pirtle Spring Water Bacteriological Laboratory has successfully demonstrated compliance with all drinking water regulations for the State of Kentucky and the Federal Environmental Protection Agency and therefore the laboratory is in complete compliance of Kentucky's Drinking Water Laboratory Certification Program.

Prepared by,



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Ted Pass II  
Certification Officer

Reviewed by,



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Patrick J. Garrity  
Laboratory Certification Officer  
Signed by: Patrick J. Garrity

**Attachments**

C     Drinking Water Files