



Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

March 15, 2019

Mr. Michael Harmon, General Manager
Montevallo Water Works and Sewer Board
613 Valley Street
Montevallo, AL 35115

RE: **Annual Inspection**
PWSID 0001160
Shelby County

Dear Mr. Harmon:

I was in Shelby County on March 13, 2019 to conduct the annual inspection of Montevallo Water Works. Please thank Tim Dunaway for the time and assistance he provided during my visit.

Montevallo currently operates one 570 gallon/minute spring, two 400 gallon/minute wells, five tanks with a total storage of 4,700,000 gallons, and two booster pumps. Treatment at the spring consists of gaseous chlorine for disinfection, pressure sand filtration, and aeration. Treatment at the two wells consists of gaseous chlorine. The system currently serves 3,200 meters, and connections are maintained with Alabaster, Chilton, Calera, and Wilton. For the previous three months, the wells and spring had an average daily production of 1,210,000 gallons with a maximum daily production of roughly 1,629,000 gallons. The system purchased an average of 40,000 gallons per day.

Overall, the system appeared to be operating in a satisfactory manner. Each well was operating at its permitted capacity, and adequate levels of pressure and chlorine residual were detected in the distribution system. A well log was noted at every treatment plant, and all documents and recordkeeping applicable to this inspection were properly maintained. **As a reminder, ADEM regulations require consumer confidence reports (CCRs) to be kept on file for at least the previous five years. Chemical monitoring records and any Departmental correspondence shall be kept on file for at least the previous ten years.**

None of the system's regulated components reviewed during this inspection received an unsatisfactory rating. Enclosed is a copy of the annual inspection evaluation form.

The average water loss for the system over the previous twelve months was 22%. The Department recommends a system maintain a water loss of no more than 15%. ARWA



can assist the system in performing a leak survey to aid the system in determining unknown sources of water loss.

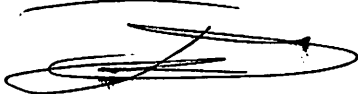
During the survey, the system's Lead and Copper Rule (LCR) sampling protocols and guidance documents were reviewed. Based on this review, Montevallo appears to be in compliance with all LCR sampling protocols and guidance documents requirements. All certified laboratories that conduct lead and copper analysis are now required to notify ADEM within 24 hours of any action level exceedance; this will help ensure that you meet all of the public notification and education requirements as soon as possible. **Also, future ADEM inspections and sanitary surveys will include a review of the system's lead and copper sampling plan. Please make sure the plan is available for review along with the materials inventory of the distribution system and the lead and copper monitoring results."**

Please continue to stay updated on changes to Division 7 and Division 10 regulations. The most current regulations and forms can be found at www.adem.alabama.gov. Also, please be mindful of ADEM Admin. Code 335-7-10-.06 and all electronic data reporting and correspondence requirements, which can be met through the Electronic Drinking Water Reporting System (eDWRS). This can be found at <http://app.adem.alabama.gov/edwr>. If you need any assistance, please contact eDWRS coordinator Donna Barton at 334-271-7726 or edwr@adem.alabama.gov.

The next annual Consumer Confidence Report (CCR) must be completed, and a copy of the CCR with a completed CCR Certification Form must be submitted to the Drinking Water Branch no later than **July 1, 2019**. If you have any questions regarding the CCR, please call Ms. Taylor at (334) 271-7820 or email her at lat@adem.alabama.gov.

If you have any questions concerning this correspondence please contact me at (334) 271-7776 or tjmoble@adem.alabama.gov.

Sincerely,



Jack Mobley, P.E.
Ground Source Section
Drinking Water Branch

Enclosure: Inspection Form

Cc: Shelby County Health Department

**Alabama Department of Environmental Management - Drinking Water Branch
Public Water System Evaluation Form**

ANNUAL INSPECTION SURFACE
 SANITARY SURVEY GROUND
 PURCHASE

System Name MONTEVALLO WATER WORKS PWSID # AL0001160
 County SHELBY Survey Date (Mo/Day/Yr) 3/13/2019
 Operator TIM DUNAWAY
 Certification Grade II Operating Permit Exp Date (Mo/Day/Yr) 12/31/2021

<u>SOURCE</u>		<u>STORAGE</u>	
1. Quantity	<input type="checkbox"/> S	26. Capacity	<input type="checkbox"/> S
2. Security	<input type="checkbox"/> S	27. Protection/Security	<input type="checkbox"/> S
3. Pumping Capacity	<input type="checkbox"/> S	28. Bypass/Drain/Overflow/Sample Tap	<input type="checkbox"/> S
4. Intake Structure	<input type="checkbox"/> U	29. Maintenance Program	<input type="checkbox"/> S
5. Pumps	<input type="checkbox"/> S	<u>SYSTEM O & M</u>	
6. Screens	<input type="checkbox"/> S	30. Facility Security	<input type="checkbox"/> S
<u>TREATMENT</u>		31. Routine Maintenance Program	<input type="checkbox"/> S
7. Flash Mix	<input type="checkbox"/> U	32. Preventative Maintenance Program	<input type="checkbox"/> S
8. Flocculation	<input type="checkbox"/> U	33. Supplies/Spare Parts	<input type="checkbox"/> U
9. Sedimentation	<input type="checkbox"/> U	34. Inst. Calibration Schedule	<input type="checkbox"/> U
10. Filtration	<input type="checkbox"/> U	35. Waste Disposal	<input type="checkbox"/> U
11. Mechanical Equipment Condition	<input type="checkbox"/> S	36. SOP Manual	<input type="checkbox"/> U
12. Chemical Storage	<input type="checkbox"/> S	<u>OPERATION AND CONTROL</u>	
13. Chemical Feed Equipment	<input type="checkbox"/> S	37. Certified Operators	<input type="checkbox"/> S
14. Chemical Dosages	<input type="checkbox"/> S	38. Laboratory Equipment	<input type="checkbox"/> U
<u>DISTRIBUTION SYSTEM</u>		39. SCM/SCD	<input type="checkbox"/> U
15. Finished Water Pumping Capacity	<input type="checkbox"/> S	40. On-Line Turbidimeters	<input type="checkbox"/> S
16. Water Quality	<input type="checkbox"/> S	41. Computer Capabilities	<input type="checkbox"/> S
17. Pressure	<input type="checkbox"/> S	42. Stand By Generators	<input type="checkbox"/> S
18. Fire Flow	<input type="checkbox"/> U	<u>MONITORING-REPORTING-RECORD KEEPING</u>	
19. Distribution System Condition	<input type="checkbox"/> S	43. Bac-T Sample Site Plan	<input type="checkbox"/> S
20. Valve/Hydrant Maintenance	<input type="checkbox"/> S	44. Cross Connection Control Policy	<input type="checkbox"/> S
21. Flushing Program	<input type="checkbox"/> U	45. Chemical Monitoring	<input type="checkbox"/> S
22. Leak Detection/Repair	<input type="checkbox"/> S	46. Disinfection By-Product Monitoring	<input type="checkbox"/> S
23. System Map	<input type="checkbox"/> U	47. Water Conservation Plan	<input type="checkbox"/> S
24. Disinfectant Residual	<input type="checkbox"/> S	48. Source Water Assessment Plan	<input type="checkbox"/> U
25. Booster Pumping Stations	<input type="checkbox"/> S	49. Vulnerability Assessment	<input type="checkbox"/> U
		50. Consumer Confidence Reporting	<input type="checkbox"/> S
		51. Monthly Operation Data Reports	<input type="checkbox"/> S
		52. Customer Complaints Records	<input type="checkbox"/> S

Average Daily Production (Gallons) 1,210,000
MAR 2018 - FEB 2019
 Maximum Daily Production (Gallons) 1,629,000
 Raw Water Pumping Capacity (Total) 1,385 GPM
 Finished Water Pumping Capacity (Total) 1,385 GPM

4 Total # of Connections 4 # of Purchase Conn.
~40,000 Average Gallons Purchased / Day

5 Number of Tanks 4,700,000 Total Storage (Gallons)

FIELD TESTS CONDUCTED
 Cl2 0.54 (mg/L) pH psi
 ic^o

OVERALL RATING 5

Jack Mobley
ADEM INSPECTOR

X [Signature]
SYSTEM REPRESENTATIVE



Additional Comments _____