

CTC 450: Homework on Waterworks Operations (Individual Work)

NAME: _____

Answer the following questions using the following reference: <http://www.mvwa.us/>

1. Who is the Water Quality Laboratory Director?
2. When do the Water Board meetings occur?
3. What population is served?
4. How many service connections are there?
5. What is the water source used?
6. How large is the watershed area?
7. What system improvements are being made and what are the associated costs?
8. What is the raw water and finished water values for pH, alkalinity, and color?
9. Is fluoride added to the water?
10. What is the size of the raw water pipelines?
11. What is the LT2 Rule?
12. What is the minimum cost to fill a swimming pool?
13. What year did the current water treatment plant become operational?
14. What is the cost of bottled water per gallon versus a gallon of water from the water treatment plant?
15. What is the lead and copper rule?
16. What are measured levels of THM's and HAA's? Discuss results.
17. How many of 21 raw water samples tested positive for cryptosporidium in 2015?
18. How many of 21 raw water samples tested positive for giardia in 2015?
19. In 2015, did any filtered water samples test positive for crypto or giardia?
20. How many board members are on the Mohawk Valley Water Board Authority?
21. What is a biofilm variance?
22. What is the ending date of the biofilm variance?
23. What is the target elevation level for Hinckley Reservoir (except during periods of severe drought)?
24. The water treatment plant is capable of producing how many millions of gallons of water per day?
25. What is the definition of a service pipe?
26. What is the definition of a service valve?
27. How much cover is required over the service pipe?
28. What is the required material for the service pipe?