STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
BUREAU FOR PUBLIC HEALTH
OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Earl Ray Tomblin
Governor

Karen L. Bowling
Cabinet Secretary

November 18, 2016

Ms. Charlotte Strawser, Chief Operator
Aurora School Public Water Supply
125 Aurora School Drive
Aurora, West Virginia 26705

RE: Aurora School Public Water Supply
PWSID #9939036
Preston County

Dear Ms. Strawser:

Enclosed is the report for the Aurora School's non-transient, non-community public water system site visit which was conducted on November 15, 2016. You are doing a very good job in your efforts to operate the water system in compliance with the mandates of the Safe Drinking Water Act (SDWA) and the West Virginia Public Water Systems Legislative Rule (64CSR3). After you have reviewed the report with your school principal and other school officials, please don't hesitate to contact this office with any questions or concerns.

This office wants to work with you and the school's staff to insure that the non-transient, non-community public water supply serving Aurora School is in compliance with all of the mandates imposed by the federal Safe Drinking Water Act and the West Virginia Public Water Systems Legislative Rule.

Sincerely yours,

Craig R. Cobb

Craig R. Cobb, P.E., Supervising District Engineer
Environmental Engineering Division

CRC;bsh

pc: Steve Wotring, Superintendent, Preston County Schools
Deborah Hibbs, Principal, Aurora School
Matt Murray, Maintenance Coordinator, Preston County Schools
Central Office File, Water Sanitation Surveys

Fairmont District Office
416 Adams Street, Suite 530
Fairmont, West Virginia 26554
Telephone: (304) 368-2530 FAX: (304) 367-2755

WEST VIRGINIA BUREAU FOR PUBLIC HEALTH
OFFICE OF ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL ENGINEERING DIVISION
PUBLIC WATER SUPPLY INSPECTION REPORT

Date of Report November 18, 2016
County Preston

System Name Aurora School
PWSID # 9939036

System Address 125 Aurora School Drive, Aurora, WV 26705

Telephone 735-3781 School
735-6805 School, fax
329-0580 BOE office
329-0720 BOE fax

Plant Classification 1

Source 2 Wells (well beside pump house is normally used, well beside school is available on stand-by)

Purchasing Systems none

Person(s) Contacted Charlotte Strawser Title(s) Chief Operator

Operator(s) & Classification(s)

Name	Classification	WVOP #	Expiration Date
Charlotte Strawser	DW-1	10180	2/28/2017
Dave Zinn	DW-1	08125	10/31/2017

Inspector's Signature Craig R. Cobb Craig R. Cobb Date 11/15/2016 Time AM

Violations and/or deficiencies were noted in the following areas: (see comments for explanation)					
Disinfection - OK	Records - OK	Operator Cert. - OK	Turbidity - NA	Safety - OK	Other

Other: See bolded and/or underlined comments:

- If the school building is being used during weekends or other non-school days, the chlorine residual must be measured and recorded by a certified operator: see item 2.
- Continued vigilance is advised on the corrosivity of the softened water, including lead and copper test results. A soda ash feeder was installed during June 2016 to reduce the corrosivity of the treated water. see items 5 & 16.
- The rusted access door to the well house has been replaced and a gutter was installed to divert runoff from the roof away from the door. Good job! See item 14.
- The RPZ in the west wing janitor's closet was last inspected on 4/20/2016, OK. See item 15.

Comments:

1. Ms. Strawser's DW-1 license is current through February 28, 2017, and Mr. Zinn's license is current through October 31, 2017. Operators are reminded that they must renew their licenses every two (2) years. Class I water system operators must obtain at least 12 continuing education hours (CEHs) every two years before renewing their licenses.

2. Ms. Strawser keeps copies of the monthly operational reports (MORs) on file at the school. Digital copies of the MORs are also available on the OEHS/EED shared drive. The EW-103 MOR for October 2016 was reviewed as summarized below:

EW-103 October 2016	
Production time	54.26 hours (21 days, ~2.58 hours/day, average).
Water produced	34,100 gal. (~1624 gpd, average, 21 days), (10.47 gpm, average).
Chlorine added (8.25% bleach)	242 liq. oz. (1.89 gal.), 1.30 lbs. Cl_2 (~4.57 ppm, average).
Soda Ash	5 lbs., (~18 ppm), for pH and alkalinity adjustment
Salt for softener unit	200 lbs.

Water Quality, EW-103, October 2016		
Parameter	**Raw Water**	**Treated Water**
Free Chlorine residual	-	0.7 – 2.6 ppm, free, WTP (checked every school day)
Minimum required chlorine residual to provide 4-log inactivation of viruses, mg/l	-	0.2 ppm (OK)
Total Chlorine residual	-	0.6 – 3.0 ppm, total, system (checked every school day)
pH, standard units	-	7.7 to 8.0 std. units (checked 7 days)

An analog clock is used in the pump house which operates only when the well pump is operating. The clock is read each day at the same time and is then reset back to 12 o'clock, thus allowing determination of the hours of operation of the water system each day. Treated water entering the storage tank is also metered, and the meter is read on a daily basis.

A review of the MOR information indicates chemical feed rates and treated water characteristics which are within generally expected and acceptable ranges for all parameters monitored. System officials are reminded to keep copies of the MORs on file for at least five (5) years. A digital copy of the most recent version of the EW-103 MOR is always available on our web site at www.wvdhhr.org/oehs/eed. The most recent version of EW-103 is in use. Note: if the school building is being used by the public during weekends or other "non-school" days, the free and total chlorine residuals, and the water volume usage, must be recorded on the MOR.

3. The school population currently includes 160 students and 17 staff, for a total population of 177 persons. Many sampling and monitoring programs are predicated on the system population.

4. Bacteriological sampling was reviewed. One routine bacteriological sample is collected each calendar quarter in accordance with the Revised Total Coliform Rule sample site plan, which was approved by the Fairmont District Office on Sept. 16, 2015. Samples are analyzed by the WV Office of Laboratory Services. Lab results for the past 2 years are on file, with satisfactory test results reported. System authorities are reminded to keep test results on file for at least five (5) years.

5. A follow-up round of lead and copper sampling was conducted on 11/21/2014, due to high lead results for samples collected during June 17, 2014. During the 11/19/2014 site visit, it was determined that the June 2014 lead and copper samples had been collected after no water use for at least 4 days, to as long as a month after the last water use. The follow-up round of samples, collected on 11/21/2014, included 8 samples: 5 required samples, plus 3 special purpose samples from the drinking fountains. The 11/21/14 sampling was performed, following the strict sampling protocol of collecting the samples after 6 hours of no water use (i.e., all sample sites were thoroughly flushed, six hours prior to collecting the samples). Test results indicated a maximum lead concentration of 9.1 ppb and a maximum copper concentration of

0.268 ppm; thus test results were well below the 90th% action levels of 15 ppb for lead and 1.3 ppm for copper, OK.

As required by the Lead and Copper Rule, Short Term Revisions, additional sampling for lead and copper was conducted during 2016, as discussed below. Also a public education notice was sent home with the students which contained mandatory language, and quarterly water quality sampling is being performed, in accordance with a guidance letter issued by the OEHS/EED dated February 5, 2016. In addition, this office coordinated with school officials to implement a corrosion control program during May and June of 2016, to reduce the corrosivity of the softened well water. The corrosion control program involves the addition of about 50 ppm of soda ash, after the ion exchanger, to raise the treated water pH and alkalinity. The Corrosion Control "yardstick" being used is Cox's Chart, copy attached.

One entry point lead and copper sample was collected on 2/19/2016, with a lead result of <0.5 ppb, and a copper result of 0.205 ppm, which are well below the 90th% action levels for both lead and copper. Also a set of 10 distribution system samples was collected for lead and copper on 2/19/2016. The maximum lead result was 11.0 ppb, and the maximum copper result was 0.969 ppm, OK.

A second set of 10 lead and copper samples was collected from the distribution system on 7/22/2016, with a maximum lead result of 5.5 ppb, and a maximum copper result of 0.250 ppm, OK. These lower test results for lead and copper, when compared with the 2/19/2016 test results, reflect the addition of soda ash which began in June 2016, making the water less corrosive.

On February 19, 2016 water quality parameter (WQP) samples were collected from the entry point, and from the distribution system (i.e., the school kitchen). The samples were analyzed for pH, total alkalinity, total calcium, specific conductivity and temperature. Similar sets of WQP samples were also collected on 5/16/2016 and on 8/23/2016. Note: although both sets of samples collected on 8/23/2016 were recorded as being "entry point" samples, it was confirmed during the site visit that one set of the WQP samples was taken in the school kitchen. During November 2016, the last quarterly round of WQP samples is to be collected from the entry point and distribution system locations.

All test results for lead and copper and for the water quality parameters (WQPs) have been performed by Reliance Labs. Test results for lead and copper must be kept on file for at least 12 years.

As this report is being written, it appears that the issues related to the 90th% action level lead exceedance, which occurred in June of 2014, have been adequately addressed.

6. Phase II, II-B and V sampling was reviewed and is summarized as follows: The most recent yearly nitrate sample was collected on June 14, 2016, with "No Detect" results reported by Reliance Labs (i.e., NO_3 <1.0 mg/l, OK).

Inorganics must be collected every three years, and were last collected on June 14, 2016, with satisfactory test results reported (i.e., all results were reported to be less than the method detection limit (<MDL), except for sodium = 32.1 ppm, OK). The next round of samples must be collected sometime during 2017-2019 sampling period.

Regulated VOCs must be collected once every three years, and were last collected on June 2, 2016, with satisfactory results reported by Reliance Labs (i.e., all parameters were reported to be <MDL, OK). The next round of samples must be collected during the 2017-2019 sampling period.

Regulated SOCs must be collected every three years, and were last collected on June 2, 2016, with satisfactory test results reported for the sampling period by Eurofins – Eaton Analytical (i.e., all

parameters were reported to be <MDL, OK). The next round of SOCs must be collected during the 2017-2019 sampling period.

7. Sampling for disinfection by-products (DBPs) is now required once every three years, during the month of September, under the Stage 2 DBP Rule. DBPs were last sampled under the Stage 2 DBP Rule on Sept. 13, 2016, for total trihalomethanes (TTHMs) and for haloacetic acids (HAA5s) with analyses performed by Reliance Labs. Test results for TTHMs were reported to be 1.6 ug/l, and test results for HAA5s were reported to be 1.7 ug/l. Both test results are well below the maximum contaminant levels (MCLs) of 80 ug/l for TTHMs and 60 ug/l for HAA5s. Future sampling for disinfection by-products will continue to be required every three years, during September in accordance with the mandates of the Stage 2 Disinfectants/Disinfection By-Products Rule (S2D/DBPR), unless/until a further sampling waiver is issued. Guidelines will be provided by the central office EED. Test results must be submitted to the OEHS/EED and kept on file for at least 10 years.

8. Radionuclide sampling is not required for non-community public water systems.

9. Yearly Consumer Confidence Reports (CCRs) are not required for non-community public water systems.

10. Distribution system accountability cannot be determined for this water system because there is only one meter on the system, located in the pump building. However, according to the October 2016 MOR, which reports that 34,100 gallons of water was produced during 21 school days to serve 177 students and staff, an average daily water demand of about 9.2 gpd/person can be calculated.

11. Laboratory equipment in use during the site visit included a Hach CN 67 DPD chlorine residual test kit. The test kit is also used to measure the treated water pH, using phenol red indicator.

12. Two chemicals, chlorine bleach and soda ash, are dosed to the water system as part of the treatment process. Chlorine solution is being made up by adding a 121 liq. oz. jug of 8.25% bleach to water to make 20 gallons of chlorine solution. The stock solution is dosed to the well water with a Chem Tech 100 liquid feeder rated at 24 gpd and 100 psi (max). At a feeder setting of 65%, a chlorine dose rate of ~4.0 ppm can be calculated, assuming a well pumping rate of 10.47 gpm. A chlorine feeder chart is attached.

    Soda ash is mixed by adding 10 lbs of soda ash into 20 gallons of solution, and feeding it with a Chem Tech 100 feeder rated at 24 gpd and 100 psi. At a feeder setting of 33%, a soda ash dose rate of about 50 ppm can be determined, assuming a well pumping rate of 10.47 gpm. A soda ash feeder chart is also attached.

    Calibration of all chemical feeders is endorsed on at least a yearly basis, or whenever a feeder is repaired or when there is a change in the chemical being fed, or of the chemical concentration being fed, by a particular feeder. This office is available to assist with feeder calibrations, upon request.

13. Data on the treatment facility was collected to determine the minimum free residual chlorine required to provide at least a 4-log inactivation of viruses, in accordance with the mandates of the Ground Water Rule, which became effective on December 1, 2009. A "CT-calc" spreadsheet is attached which assumes a tank volume of 881 gallons, a pumping rate of 10.47 gpm and a water temperature of 12^{O} centigrade. Based on the information provided, a minimum free chlorine residual of 0.20 mg/l is required to meet the GWR disinfection requirement. Please continue to indicate that value at the appropriate location on the EW-103 monthly operational report form. A digital copy of the CT-calc spreadsheet was installed on the lap top computer in Ms. Strawser's office during the 11/19/2014 site visit, which was used to calculate the revised virus log inactivation during the 11/15/2016 site visit.

14. The water treatment facility at Aurora School includes an ion exchange softener which removes excess amounts of iron and manganese. The softener is backwashed when approximately 4500 gal water has been processed. After 4500 gal. of water has been processed the backwash will begin at 2AM. The volume of backwash water used and the method of disposal of the spent backwash water have not been established. Ms. Strawser is requested to provide this information, if possible, to be added to the operational data on file at this office.

Softener salt was noted to be kept on-hand in the treatment building. After chlorination, softening, and post feeding of soda ash, the treated water is stored in the 881-gallon storage tank. Ms. Strawser has reported the amount of salt during past years, which is added to the softener unit each month on the MOR. During October 2016, 200 lbs. of salt was added to the softener. It was noted that in September of 2016, the softener unit was discovered to have been unplugged, resulting in dirty water complaints in the school. But the problem was discovered and resolved during the first half of October 2016. The water quality observed during the recent visit of 11/15/2016 was quite acceptable. It is noted that about five 40-pound bags (i.e., 200 lbs.) of softener salt are normally added to the brine tank during a typical month.

A master meter is located on the line entering the storage tank, to document pumping rates and daily water use. Water from the storage tank is pressurized by a duplex pumping facility which includes a hydropneumatic tank, which maintains a water pressure to the school building of between 55 and 100 psi. The well pump was noted to be operating at a system pressure ranging between 29 psi and 40 psi. Note: the pressure pumps, which repressurize the water supplied to the school, may need to be serviced or replaced in the near future.

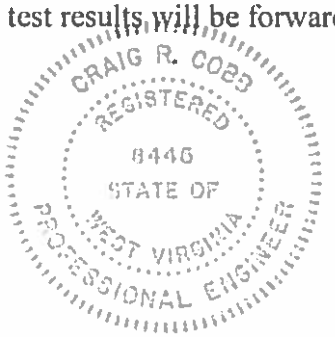
It was noted that the rusted access door to the well house has been replaced, and a new gutter has been installed on the roof above the door, to divert runoff from the roof from splashing up on the door. Good job!

15. It is noted that the Preston County School Board adopted a Cross-Connection Program on November 8, 2005. Such action is in accordance with the mandates of 64CSR15, section 8.2. The Watt's 909 reduced pressure principle backflow prevention assembly (RPZ), installed in the west wing janitor's closet of the school was last tested on 4/20/2016, as required, pursuant to 64CSR15, section 8.4.a. Continue to have the RPZ tested every 12 months by a certified backflow equipment tester.

16. Samples of the raw well water and of the treated water were collected during the site visit for analyses of selected chemical and bacteriological parameters. Lab test results are attached which indicate a generally satisfactory treated water quality for all parameters analyzed, although the treated water iron concentration is still slightly above the secondary standard of 0.3 ppm. It is noted that the softened water, which is quite corrosive, is now being treated by adding about 50 ppm of soda ash to the softened water. This increases the pH and alkalinity of the treated water, which reduces the water corrosivity, and helps to reduce the potential for the water to dissolve copper or lead from the plumbing fixtures in the school. Bacteriological samples were also collected, and test results will be forwarded upon receipt.

If this office can be of further assistance, please advise.

CRC:bsh



WATER ANALYSIS REPORT
FAIRMONT DISTRICT LABORATORY

PWSID # 9939036

WATER SUPPLY Aurora School COUNTY Preston

ADDRESS 125 Aurora School Road DATE OF ANALYSIS 11/15/2016

Aurora, WV 26705 DATE OF COLLECTION 11/15/2016

COLLECTED BY C. Cobb TIME OF COLLECTION 9:30 AM Raw 9:15 AM Finishe

SECONDARY STANDARDS AND MISCELLANEOUS PARAMETERS

Sample Type	☒Raw ☐Finished	☐Raw ☒Finished	☐Raw ☒Finished	☐Raw ☒Finished	☒Raw ☐Finished
Point of Collection	Raw Well Line Well House	Finished Tap Well House	.		
Alkalinity (PHTH) (as $CaCO_3$) (mg/l)	0.0	0.0	.	.	.
Alkalinity (M.O.) (as $CaCO_3$) (mg/l)	40.0	69.0	.	.	.
Calcium Hardness (as$CaCO_3$) (mg/l)	26.0	2.0	.	.	.
Total Hardness (as $CaCO_3$) (mg/l)	--.--	--.--	--.--	.	--.--
pH (std. units)	6.9	8.0	.	.	.
*Turbidity (0.3) (NTU)	1.86	0.74	.	.	.
*Iron (0.3) (mg/l)	2.29	0.38	.	.	.
*Manganese (0.05) (mg/l)	0.254	0.017	.	.	.
TDS (<500) (mg/l)	110.0	170.0	.	.	.
Temperature (°C)	12.0	18.0	.	.	.
LSI (0 = ideal, <0 = corrosive, >0 = scaling)	-2.21	-1.87	.	.	.
Chlorine Residual(mg/l) ☒free ☐total	--.--	1.30	.	.	.
Other Total Chlorine, mg/l	--.--	--.--	.	.	.

Remarks: Chlorine residual, TDS and temperature were determined in the field. All other parameters were determined in the lab.

*Maximum desirable concentrations are shown in parenthesis.

Analyst C. Cobb

FAIRMONT DISTRICT LABORATORY
416 Adams Street, Suite 530
Fairmont, WV 26554
(304)368-2530

WATER BACTERIOLOGICAL REPORT

COUNTY OF ORIGIN: Preston

REPORT TO BE CHARGED TO:
NAME: OEHS/EED
ADDRESS:
CITY/STATE/ZIP:

NAME OF WATER SUPPLY: Aurora School

P.W.S. I.D. #: 9 9 3 9 0 3 6

CODE: 6 4 6 0 R C

COLLECTOR: C. Cobb TITLE: Dist. Engr. CERTIFICATION #:

COLLECTORS ORGANIZATION: WVBPH/EED PHONE: 304-368-2530

SAMPLE TYPE:

- ☐ COMPLIANCE (SDWA): ☐ CWS ☐ NTNCWS ☐ TNCWS
- X RAW (DILUTIONS REQUIRED): ☐ SURFACE X GROUND
- X SPECIAL PURPOSE
- ☐ REPLACEMENT FOR LAB:# →
- ☐ REPEAT FOR LAB#: →
- ☐ REPEAT ORIGINAL ☐ REPEAT DOWNSTREAM
- ☐ REPEAT UPSTREAM ☐ REPEAT OTHER:

- ☐ INDIVIDUAL HOUSEHOLD:
- ☐ WELL
- ☐ CISTERN
- ☐ SPRING
- ☐ IS SUPPLY PROTECTED?
- ☐ YES
- ☐ NO

- ☐ POOL
- ☐ BEACH
- ☐ BOTTLED WATER/ICE
- ☐ DAIRY FARM
- ☐ DAIRY PLANT
- ☐ OTHER:

Received
NOV 21 2016
WVBPH OEHS/EED

REPORT TO BE MAILED TO:

NAME: Craig R. Cobb
ADDRESS: 416 Adams St, Suite 530
CITY/STATE/ZIP: Fairmont, WV 26554

BOTTLE NUMBER: 267

SAMPLE COLLECTION:
DATE: 11/15/16 (MM/DD/YY) TIME: 9:30 X AM ☐ PM

COLLECTOR'S INITIALS: CRC

CHLORINATED?
☐ YES X NO RESIDUAL: NA mg/L ☐ TOTAL ☐ FREE

pH

SAMPLING POINT: raw tap at pump house

SAMPLE TRANSPORTATION: X US MAIL ☐ UPS ☐ FEDEX
☐ OTHER:
☐ HAND DELIVERED: ☐ BY COLLECTOR ☐ OTHER:

TRANSPORTATION CONDITION:
☐ PROTECTED FROM SUNLIGHT ☐ REFRIGERATED <10°C (50°F)

"DO NOT WRITE BELOW THIS LINE"

"DO NOT WRITE BELOW THIS LINE"

LAB NO. 151956 DATE REC'D NOV 16

METHOD OF ANALYSIS:
☐ MUTLI TUBE FERMENTATION SM 9221 B/E
X CHROMOGENIC/FLUOROGENIC SM 9223 ☐ 18 HR X MULTIWELL
☐ HETERTROPHIC PLATE COUNT SM 9215 B

SAMPLE ANALYSIS:
DATE: 11/16/16
TIME: 11 X AM ☐ PM
ANALYSTS: AB TG
TEMP: _____ °C

TIME REC'D: 9:45 X AM ☐ PM
REC'D BY: AB TEMP _____ °C

☐ *SAMPLES NOT EXAMINED DUE TO:
☐ EXCEEDED TIME ☐ INSUFF. VOLUME
☐ INSUFF. INFO. ☐ INVALID COLL. DATE
☐ UNAUTH. COLLECTOR ☐ CONT. RES CHLORINE
☐ INSUFF. AIR SPACE ☐ DELIQUENT ACCOUNT
☐ TEMP NOT IN RANGE

LABORATORY RESULTS:

TOTAL COLIFORMS:	☐ PRESENT	X ABSENT	<1.0	PER 100mL
FECAL COLIFORMS:	☐ PRESENT	☐ ABSENT		PER 100mL
E. COLI:	☐ PRESENT	☐ ABSENT		PER 100mL

HETEROTROPHIC PLATE COUNT: _____ CFU/mL

☐ *INVALID DUE TO:
☐ TURBID ☐ COLOR INDETERMINATE
☐ *LABORATORY ACCIDENT ☐ *SEND REPLACEMENT SAMPLE

REMARKS: ☐ REPORTED/☐ FAXED TO: _____
X NOT VALID FOR SDWA COMPLIANCE REPORTING

DATE REPORTED: NOV 17 2016

DIRECTOR:

WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES
BUREAU FOR PUBLIC HEALTH - OFFICE OF LABORATORY SERVICES
SO. CHARLESTON, WV 25303
KEARNEYSVILLE, WV 25430

WATER BACTERIOLOGICAL REPORT

COUNTY OF ORIGIN: Preston

REPORT TO BE CHARGED TO:

NAME: OEHS/EED

ADDRESS:

CITY/STATE/ZIP:

NAME OF WATER SUPPLY: Aurora School

P.W.S. I.D. #: 9 9 3 9 0 3 6

CODE: 6 4 6 0 R C

COLLECTOR: C. Cobb TITLE: Dist. Engr. CERTIFICATION #:

COLLECTORS ORGANIZATION: WV BPH/EED PHONE: 304-368-2530

SAMPLE TYPE:

- ☐ COMPLIANCE (SDWA): ☐ CWS ☐ NTNCWS ☐ TNCWS
- ☐ RAW (DILUTIONS REQUIRED): ☐ SURFACE ☐ GROUND
- X SPECIAL PURPOSE
- ☐ REPLACEMENT FOR LAB #: →
- ☐ REPEAT FOR LAB #: →
  - ☐ REPEAT ORIGINAL ☐ REPEAT DOWNSTREAM
  - ☐ REPEAT UPSTREAM ☐ REPEAT OTHER:

- ☐ INDIVIDUAL HOUSEHOLD:
  - ☐ WELL
  - ☐ CISTERN
  - ☐ SPRING
- ☐ IS SUPPLY PROTECTED?
  - ☐ YES
  - ☐ NO

- ☐ POOL
- ☐ BEACH
- ☐ BOTTLED WATER / ICE
- ☐ DAIRY FARM
- ☐ DAIRY PLANT
- ☐ OTHER

REPORT TO BE MAILED TO:

NAME: Craig R. Cobb

ADDRESS: 416 Adams St. Suite 530

CITY/STATE/ZIP: Fairmont, WV 26554

BOTTLE NUMBER: 37

SAMPLE COLLECTION:
DATE: 11/15/16 (MM/DD/YY) TIME: 9:15 X AM ☐ PM COLLECTOR'S INITIALS: CRC

CHLORINATED? X YES ☐ NO RESIDUAL: 1.30 mg/L ☐ TOTAL X FREE pH

SAMPLING POINT: treated tap at pump house

SAMPLE TRANSPORTATION: X US MAIL ☐ UPS ☐ FEDEX
☐ OTHER:
☐ HAND DELIVERED: ☐ BY COLLECTOR ☐ OTHER

TRANSPORTATION CONDITION:
☐ PROTECTED FROM SUNLIGHT ☐ REFRIGERATED < 10°C (50°F)

"DO NOT WRITE BELOW THIS LINE"

METHOD OF ANALYSIS:
- X ☑ SM 9223 COLILERT ☐ 18 HOUR
- ☐ SM 9223 COLILERT QT ☐ 18 HOUR
- ☐ SM 9221 B/F
- ☐ SM 9215 B

SAMPLE ANALYSIS:
DATE: 11/16/16
TIME: 11 X AM ☐ PM
ANALYSTS: JT AB
TEMP: °C

SAMPLE RECEIPT:
LABORATORY NUMBER: 151955 DATE RECEIVED: NOV 16
TIME RECEIVED: 9:45 X AM ☐ PM
RECEIVED BY: AB TEMP: °C

☐ *SAMPLE NOT EXAMINED DUE TO:
- ☐ EXCEEDED TIME
- ☐ INSUFFICIENT INFORMATION
- ☐ UNAUTHORIZED COLLECTOR
- ☐ INSUFFICIENT AIR SPACE
- ☐ TEMPERATURE OUT OF RANGE
- ☐ INSUFFICIENT VOLUME
- ☐ INVALID COLLECTION DATE
- ☐ CONTAINED RESIDUAL CHLORINE
- ☐ DELIQUENT ACCOUNT
- ☐ FORM NOT COMPLETED IN INK

Received NOV 21 2016 WVBPH OEHS/EED FAIRMONT D.O.

LABORATORY RESULTS:

TOTAL COLIFORMS: ☐ PRESENT X ABSENT ____ PER 100 mL

E. COLI: ☐ PRESENT ☐ ABSENT ____ PER 100 mL

HETEROTROPHIC PLATE COUNT: ____ CFU / mL

☐ *INVALID DUE TO: ☐ COLOR INDETERMINATE ☐ TURBID

☐ *LABORATORY ACCIDENT

☐ *SEND REPLACEMENT SAMPLE

SAMPLE COMPLETION:
DATE: 11/17/16
TIME: 11:20 X AM ☐ PM
ANALYSTS: AB

West Virginia Department of Health & Human Resources
BUREAU FOR PUBLIC HEALTH

REMARKS:
- ☐ REPORTED TO:
- ☐ FAXED TO:
- ☐ NOT VALID FOR SDWA COMPLIANCE REPORTING

OFFICE OF LABORATORY SERVICES SOUTH CHARLESTON, WV 25303 KEARNEYSVILLE, WV 25430

DATE REPORTED: 11/17/2016

DIRECTOR: