

**CITY OF BOONVILLE
COUNCIL MEETING
AGENDA**

February 19, 2019

7:00 p.m.

**City Council Chambers
525 E. Spring Street
Boonville, Missouri**

- I. Call to Order – Pledge and Prayer (Vanessa Dorman)**
- II. Roll Call**
- III. Hearing of Citizens' Comments**
 - Ken Hirlinger
- IV. Approval of the Minutes of the February 4, 2019 Council Meeting**
- V. Consent Items**
 - a. None.
- VI. Presentation of Accounts and Claims**
- VII. Unfinished Business**
 - A) Affirm Sewer Jet Truck Purchase (motion)
- VIII. New Business**
 - A) None
- IX. Reports of Standing Committees**
 - A) Board of Public Works – January 31, 2019 (Susan Meadows)
 - B) Cemetery Board – January 31, 2019 (Henry Hurt)
 - C) Historic Preservation Advisory Commission – February 11, 2019 (Susan Meadows)
 - D) Planning and Zoning Commission – February 12, 2019 (Whitney Venable)
 - E) Police Board – February 11, 2019 (Henry Hurt)
- X. Reports of City Officials**
 - City Administrator
 - FY 2019-2020 Budget #4
 - Mayor
 - City Clerk

XI. Miscellaneous

XII. Adjourn

NOTICE: The City of Boonville will comply with the Americans with Disabilities Act (ADA). Individuals who require an accommodation due to disability to attend this meeting should contact our office at 660-882-2332 or Relay Missouri, 1-800-735-2966 TTY at least 48 hours in advance.

DRAFT COPY PENDING CITY COUNCIL REVIEW AND APPROVAL

City of Boonville
City Council Meeting Minutes
February 4, 2019

The Boonville City Council met in Regular Session on February 4, 2019 at 7:00 p.m. in the Council Chambers. The following officers were present: Ned Beach, Mayor; Irl Tessendorf, City Administrator; and Teresa Studley, City Clerk. Doug Abele, Interim City Counselor, was absent.

NOTICE POSTED: Thursday, January 31, 2019 at 2:59 p.m.

CALL TO ORDER – PLEDGE AND PRAYER

The meeting was called to order and Mr. Whitney Venable led the prayer after the pledge of allegiance.

ROLL CALL

The following Council Representatives were present: Whitney Venable, Vanessa Dorman, Michael Stock, Steve Young, Susan Meadows, Brent Bozarth, Henry Hurt, and Morris Carter.

HEARING OF CITIZENS' COMMENTS

None.

APPROVAL OF THE MINUTES OF THE JANUARY 22, 2019 COUNCIL MEETING

The minutes were approved as presented.

CONSENT ITEMS

None.

PRESENTATION OF ACCOUNTS AND CLAIMS

Ms. Studley read the ordinance appropriating money, in its entirety, and a second time by title only, since a copy of the ordinance had been made available prior to the meeting. Mr. Carter moved, and Mr. Venable seconded the motion for approval. Roll call was taken. Ayes: Venable, Dorman, Stock, Young, Meadows, Bozarth, Hurt, and Carter. Total (8). Opposed: None. Total (0). Absent: None. Total (0). Motion Carried.

UNFINISHED BUSINESS

SECOND READING OF BILL NO. 2019-001 AMENDING CHAPTER 2 OF THE CODE OF GENERAL ORDINANCES REGARDING RESIDING REQUIREMENTS FOR ADVISORY BOARDS AND COMMITTEES

Ms. Studley read, by title only, a copy of the bill. Mr. Carter moved, and Ms. Meadows seconded the motion to approve the ordinance. Roll call was taken. Ayes: Venable, Dorman, Stock, Young, Meadows, Bozarth, Hurt, and Carter. Total (8). Opposed: None. Total (0). Absent: None. Total (0). Motion Carried.

SECOND READING OF BILL NO. 2019-002 AMENDING CHAPTER 17 OF THE CODE OF GENERAL ORDINANCES REGARDING RESIDING REQUIREMENTS FOR THE HISTORIC PRESERVATION ADVISORY COMMISSION

Ms. Studley read, by title only, a copy of the bill. Mr. Venable moved, and Mr. Stock seconded the motion to approve the ordinance. Roll call was taken. Ayes: Venable, Dorman, Stock, Young, Meadows, Bozarth, Hurt, and Carter. Total (8). Opposed: None. Total (0). Absent: None. Total (0). Motion Carried.

SECOND READING OF BILL NO. 2019-003 AMENDING CHAPTER 18 OF THE CODE OF GENERAL ORDINANCES REGARDING RESIDING REQUIREMENTS FOR THE POLICE AFFAIRS ADVISORY COMMITTEE

Ms. Studley read, by title only, a copy of the bill. Mr. Carter moved, and Mr. Bozarth seconded the motion to approve the ordinance. Roll call was taken. Ayes: Venable, Dorman, Stock, Young, Meadows, Bozarth, Hurt, and Carter. Total (8). Opposed: None. Total (0). Absent: None. Total (0). Motion Carried.

SECOND READING OF BILL NO. 2019-004 AUTHORIZING AND APPROVING A LEASE RENEWAL AGREEMENT WITH BOONSLICK HEARTLAND YMCA

Ms. Studley read, by title only, a copy of the bill. Mr. Carter moved, and Mr. Venable seconded the motion to authorize and approve the lease renewal agreement with Boonslick Heartland YMCA but with the items in section 10 of the agreement and Exhibit D of the agreement being stricken from the agreement. Mayor Beach directed the council to those sections. With no questions, roll call was taken. Ayes: Venable, Dorman, Stock, Young, Meadows, Bozarth, Hurt, and Carter. Total (8). Opposed: None. Total (0). Absent: None. Total (0). Motion Carried.

NEW BUSINESS

None.

REPORTS OF STANDING COMMITTEES

TOURISM COMMISSION – DECEMBER 18, 2018

Mr. Carter reported that they discussed the grant proposals and awarded funds to the different organizations listed in the minutes of the meeting. Mayor Beach stated that an error on page 33 of the council packet needs corrected. It should say in section 5 Boonslick Area Tourism Council is asking for \$3,500, *not* \$35,000, as it is written. The correction is noted.

STREET, ALLEY, AND SANITATION BOARD – JANUARY 30, 2019

Mr. Stock advised that the meeting was cancelled due to lack of agenda items.

REPORTS OF CITY OFFICIALS

CITY ADMINISTRATOR

- FY 2019-2020 Budget #3

Mr. Tessendorf directed everyone to the secondary council work session packet, which includes his memo and budget worksheets. Mr. Tessendorf explained that he was planning to discuss two items for the Fiscal Year 2019-20 Budget; water fund and wastewater fund.

Water Fund (06) – Mr. Tessendorf explained the Water Fund Overview that was included in the work session packet on page 2. Mr. Tessendorf stated that this overview shows that the future budget is balanced. Mr. Tessendorf explained that on the revenue side, there will be some funds transferred over for a COP payment for the hospital water tower. Mr. Tessendorf briefed the council item by item on the revenue side for the water works fund. Mr. Tessendorf advised that based on prospective revenues outlined, you will see that he budgeted for a 2.8% increase on water. Mr. Tessendorf directed the council to the expenses listed for the water fund on page 7 of the work session packet. Mr. Tessendorf budgeted for a 2% increase on the Personal Services. Mr. Tessendorf briefed the Council on the expense side for the water works fund. Mr. Tessendorf briefed the council on the COLA increase with Alliance Water Resources for the managing of the water treatment plant. Mr. Tessendorf reviewed the Revenue Bonds for the Water Works fund. Mr. Tessendorf briefed the Council on the Capital Projects with particular note regarding Water Main Improvements. The city staff will begin to do valve and water main improvements on the system. Mr. Tessendorf explained that this is just the beginning of the improvements.

Mr. Tessendorf invited Mr. M.L. Cauthon, Director of Public Works to come forward and discuss some of the capital projects that he will be overseeing. Mr. Cauthon briefed the Council line by line on the budgeted capital projects that were included in the work session packet: technology, meter reading equipment, hydrants/meters, vehicles, and then the water main improvements.

Mr. Tessendorf invited Mr. Mark Wild, Alliance Water Resources, to address the Council on some of the capital projects that they will be overseeing. Mr. Wild briefed the Council line by line on budgeted capital projects that was included in the work session packet: rebuild of the river pump, chemical clean-up and disposal, UV Bulbs, mixers, and other expenditures.

Wastewater Fund (08) – Mr. Tessendorf explained the Wastewater Fund Overview that was included in the work session packet on page 2. Mr. Tessendorf stated that this overview shows that the future budget is balanced. Mr. Tessendorf briefed the council item by item on the revenue side for the wastewater fund, which is mostly funded by sewer user charges. Mr. Tessendorf advised that based on prospective revenues outlined, you will see that he budgeted for a 2.0% increase for wastewater. Mr. Tessendorf directed the council to the expenses listed for the wastewater fund that was included in the work session packet. Mr. Tessendorf explained that it is a mirror image of the water fund; the bills are split between the two funds. Mr. Tessendorf briefed the Council on the expense side for the wastewater fund. Mr. Tessendorf brought to the Council's attention the Debt Service on page 21 of the work session packet. Mr. Tessendorf explained that one of the bonds have been paid in full, therefore those funds were transferred to Capital Projects for Professional Services.

Mr. Tessendorf invited Mr. Cauthon to come forward and discuss some of the capital projects that he will be overseeing regarding the wastewater fund. Mr. Cauthon briefed the Council line by line on the budgeted capital projects that were included in the work session packet: meter reading equipment, lift station repair, backhoe lease, lawn mower, and Insituform for I&I abatement. Mr. Tessendorf explained the sources of funding for the capital projects for both the water and wastewater funds.

Mr. Tessendorf invited Mr. Cauthon to come forward and discuss the Sewer Jetter/Vacuum Truck Purchase that is anticipated in this budget work session. Mr. Cauthon directed the council to the last 30 pages of the work session packet which details the truck and explains what it can do for the city. Mr. Cauthon advised the Council that the current sewer jetter truck is a 1993 Harbin Jetter truck that is used daily. In the past few years, the unit's age has begun to show, mandating major component replacement and repair. Occasionally the repairs have been significant enough to take the equipment out of service. Mr. Cauthon has been exploring, for several years, to find a replacement for the aging jetter truck, which was found to be very difficult. Mr. Cauthon described the truck that he has found at Scheppers International Truck Center and he feels that this will work much better for the city. Mr. Cauthon advised that the truck he has found is an International Chassis and a Vactor Brand vacuum jet body. Mr. Cauthon advised that he explored cooperative purchasing plans that the City is currently enrolled in. He found Sourcewell, which is a government agency that provides cooperating purchasing services to registered municipal entities. With this truck at Scheppers International Truck Center, a known vendor in Jefferson City, and Sourcewell, the City will end up saving approximately \$38,000 as compared to a comparable piece of equipment not being offered through a cooperative purchasing program. Ms. Dorman questioned what would happen to the old sewer jet truck. Mr. Cauthon responded that there is no trade in value and there has not been a decision made whether to keep it or to sell it to a smaller community. A decision for the old truck will be made at a later time. Mr. Tessendorf directed the Council to page 4 of the work session packet which gives a summary as to how the new Sewer Jet Truck will be funded. Mr.

Cauthon expressed concern about getting the truck ordered. If the order was placed within the next couple of weeks, the delivery date would be early June 2019, with payment due at delivery. International would order the chassis and then deliver to Co-Equipment for the mounting of the jetter and vacuum to the chassis. Then the truck would be sent to Scheppers International to be shipped to the City. Mr. Stock questioned how long the bid is still good for. Mr. Cauthon advised that this bid was made a week or so ago. Mr. Tessendorf questioned if we should have it put on the agenda to authorize the order of the truck, and the truck would not have to be paid until the next budget year anyway. There were no objections for putting it on the agenda for the next council meeting.

MAYOR

Mayor Beach directed the council to the thank you letter from Neighbors Helping Neighbors, which was included in the council packet. Neighbors Helping Neighbors expressed their gratitude to the City Council for the funds that were awarded through Local Agency Funding in February 2018. Mayor Beach commented that Mr. Carter has spearheaded that board for several years.

Mayor Beach also wanted to clarify any confusion about the funding of the soccer fields for the citizens. Mayor Beach stated that the school district did not pay for the soccer fields; that the soccer fields were paid for by the City of Boonville using funds from the Parks and Stormwater Sales Tax that the citizens passed approximately 5 years ago.

CITY CLERK

Ms. Studley stated that since the City of Boonville moved City Hall to the 401 Main Street location, back in 2012, the postings for all committee agendas or cancellations have been posted on the bulletin board in the lobby of City Hall. This is the "manner calculated to advise the public of matters to be considered". Ms. Studley reported that it was brought to Ms. Fjell's and her attention that the City of Boonville's website on the Calendar Event Section and the Boards and Commissions Section were not up to date. Once they were notified of the discrepancy, they reviewed the calendar and found that it was up to date. However, the Boards and Commissions page was not. The Boards and Commission page was updated with the correct meeting times and dates. On the events calendar and the Boards and Commissions page, there was some added verbiage referencing that all committee agendas or cancellations are posted on the bulletin board at City Hall, 401 Main Street, Boonville Missouri.

Ms. Studley reminded the council that the next regular meeting is scheduled for Tuesday, February 19, due to the President's Day Holiday on Monday, February 18.

MISCELLANEOUS

Mr. Carter questioned if the food truck that was parked on the AT&T Parking Lot on Superbowl Sunday, had a business license or not. Ms. Fjell responded that they should have a business license and then also the Cooper County Health Department would have had requirements for the food truck as well. Ms. Fjell stated that if a food truck just shows up during

the weekend, it is a bit hard to enforce. Mr. Carter questioned Chief Welliver if the police department could have checked to see if they had a business license or not. Chief Welliver responded that if someone lets them know, the officers will check to see if they have the appropriate documentation to sell or not.

ADJOURN

With no further discussion, Mr. Young moved, and Ms. Dorman seconded the motion to adjourn at 7:56 p.m. and the voice vote was unanimous.

Respectfully Submitted,

Teresa Studley, City Clerk

Approved:

Ned Beach, Mayor

ORDINANCE APPROPRIATING MONEY

Be it Ordained by the Council of the City of Boonville, as follows:

Section 1: For the purpose of paying salaries and various accounts against the City of Boonville, which have been allowed by the Council, at the regular meeting thereof on February 19, 2019 the sum of **\$561,192.15**

General Fund	\$393,369.90
Sanitation	\$19,525.38
CIP Tax	\$17,345.02
Water Works	\$42,837.72
Capital Projects	\$4,433.73
Waste Water	\$58,829.50
Tourism	\$13,743.99
Gaming	\$10,657.55
Parks/Water	\$449.36

Section 2: The Accountant is hereby authorized and instructed to draw checks on the respective City bank accounts, in favor of the persons whose salaries and accounts have been allowed as above, amounting to **\$561,192.15** being the total amount of money above appropriated.

Section 3: This ordinance shall take effect and be in force from and after its passage. First reading on February 19, 2019 read for the second time this 19th of February, 2019 since a copy was made available prior to the meeting.

Approved February 19, 2019 _____
Mayor

Endorsed February 19, 2019: I hereby certify that a sufficient sum of money stands to the credit of the City, unappropriated, in the various funds to meet the requirements of this ordinance.

Accountant

MEMORANDUM

TO: Irl Tessendorf, City Administrator

FROM: M. L. Cauthon III, Director of Public Works

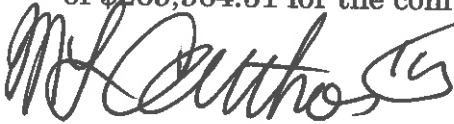
DATE: February 12, 2019

RE: Sewer Jetter / Vacuum Truck Purchase

As directed during the budget discussion at the February 4, 2019 council meeting, consideration of purchase of a sewer jetter / vacuum truck is on the agenda for the February 19 council meeting.

Attached is a brochure for the Vactor model 2103. This brochure provides a good overview of the equipment we are considering. More detailed information on the truck chassis and jetter / vacuum body was included with the February 4 budget work session memo.

I recommend we accept the proposal of Scheppers International Truck Center of \$269,964.51 for the combination jetter / vacuum truck.

A handwritten signature in black ink, appearing to read 'M. L. Cauthon III', with a stylized flourish at the end.

M. L. Cauthon III

**BOARD OF PUBLIC WORKS
MEETING
January 31, 2019**

NOTICE POSTED: Monday, January 28, 2019 at 9:48 am

The Board of Public Works met at the City Services Building at 1200 Locust, 5:30 p.m. January 31, 2019.

ROLL CALL: Voting Members Present; Judy Stock and TC Meller. Non-Voting Members Present; M. L. Cauthon III, Director of Public Works. Voting Members absent were Van Donley and Ed Scrivner. Council Representative Susan Meadows was absent.

Without a quorum of voting members, the meeting was cancelled.

Respectfully submitted,

M. L. Cauthon III

Approved by:

Ed Scrivner, Chairman

**Cemetery Board
MEETING
January 31, 2019**

NOTICE POSTED: Wednesday, January 23, 2019 at 12:02 pm

The Cemetery Board met at City Council Chambers, 525 East Spring Street, Boonville, MO 65233

Voting Members Present; Shirley McGowan and Liz Davis. Non-Voting Members Present; Kate Fjell, Asst. City Administrator and Paul Linhart, Parks Foreman. Voting Members absent were LaDonna Drew, Judy Shields, Helen Fisher. Council Representative Henry Hurt was absent.

Without a quorum of voting members, the meeting was cancelled.

Respectfully submitted,
Kate Fjell

City of Boonville
Boonville Historic Preservation Advisory Commission
Cancelled Meeting
February 11, 2019

6:00PM
City Council Chamber
525 East Spring Street
Boonville, MO 65233

The Monday, February 11, 2019 meeting of the Boonville Historic Preservation Advisory Commission has been cancelled due to lack of agenda items. The next scheduled meeting will be Monday, March 11, 2019.

**City of Boonville
Planning and Zoning Commission
Cancelled Meeting
February 12, 2019**

**6:00PM
City Council Chamber
525 East Spring Street
Boonville, MO**

The Tuesday, February 12, 2019 meeting of the Planning and Zoning Commission has been cancelled for lack of agenda items. The next scheduled meeting will be Tuesday, March 12, 2019.

**City of Boonville
Police Board Minutes From
February 11, 2019**

NOTICE POSTED-Thursday, January 31, 2019 at 11:11 A.M.

1. Meeting was called to order at 7:00 P.M. by Chairman Michael Drew

A. Members Present: Michael Drew, Tom Halford, Gene Cummins, Brett Cooper, City Council Representative Henry Hurt, and Chief Bobby Welliver

2. Members Absent: Ralph Twillman

3. Guests Present:

4. Public Comments:

5. Brett Cooper made the motion to approve the minutes from the December 10, 2018 meeting which was seconded by Gene Cummins. Motion was approved by unanimous vote.

Reports

A. Chief Welliver

1. We have started the transition from UCR Reporting to Missouri Incident Based Reporting System. This change in reporting crime statistics will be mandatory for all department in Missouri starting in 2021. We worked with our CAD Vendor to get an early start with the transition. We submitted our first test reports in December of 2018 and January of 2019. Our compliance rate was 100%. The rate of compliance must be 96% or better for three consecutive months to be approved to move to MIBRS.

2. Darrell Davis has resigned from the Police Department to take a job elsewhere.

6. Unfinished Business

- A. The Rapid ID Grant is underway. We have received the equipment and are awaiting the connection to MULES.**

7. New Business:

- A. The Hiring Board held interviews for the Patrolman job vacancy. The unanimous recommendation was to hire Spencer Wolf. He graduated the police academy in August of 2018 and holds a Bachelors' Degree in Criminal Justice. He started on January 30, 2019.**

8. Miscellaneous:

- A. The board was briefed on the 2019-2020 budget proposal.**
- B. Chairman Drew briefed the board on a 911 call he witnessed while at a local business. He stated that the 911 Operator did not know the location of the business. He was advised that to my knowledge they receive records from the telephone companies to populate their CAD/RMS so I wasn't sure why they wouldn't have the address.**
- 9. Tom Halford made the motion to adjourn which was seconded by Brett Cooper. Motion was approved by unanimous vote.**

Meeting Adjourned At 7:52 P.M.

Respectfully Submitted,

Bobby Welliver

Chief Bobby Welliver

Public Works Monthly Report
January 2019

WWTP:

Total flow processed - 42,110,000 gallons

Average daily flow - 1,358,000 gallons

Sludge disposed - 143.08 tons

Remarks:

WTP:

Gallons pumped from river - 30,760,000 gallons

Gallons pumped to customer - 32,681,000 gallons

Remarks:

Water Distribution / Sewer Collection:

Installed or renewed water service - 0

Remarks - Repaired leak in 6" water main at 6th and Poplar Streets; repaired leak in 8" water main on Morgan Street at Main Street; resolved frozen meters and waterlines at 1470 Bingham Rd, 216 Main Street, 1629 Sportsman Road, 818 6th Street, 1301 Main Street, 1825 Sportsman Road, 820 6th Street, 1107 Santa Fe Trail, 415 Sycamore Street, 213 E. Spring Street apt B, 2539 Main Street, 1455 Jefferson Road lot 10, 405 E. Ashley Road, 203 Main Street; assisted with snow plowing; continued installation of new meters and radio units for roll-out of new automated meter reading system; routine TV inspection of sewer mains; routine sewer line jetting.

Street Department:

Continued excavation at Hail Ridge Sewer Line extension project; assisted with water main leaks at 6th and Poplar and Morgan at Main Streets; worked consecutive snow events; cut and hauled storm damaged tree limbs; repaired and serviced equipment; patched pot holes.

Central Garage:

Vehicles serviced and inspected -7

Vehicle and equipment repairs - 7

Remarks: Assisted with snow plowing; assisted with haul storm damage tree limbs; Supervised street crew in absence of street foreman; Supervised pot hole patching, street sweeping, and street cut repair.

Weather (recorded at City Services Bldg.):

Average Temperature - 30.2° F

High Temperature - 66.6° F, Jan 7

Low Temperature - -6.4° F, Jan 30

Total Rain - 2.14"

Maximum Rain - 0.42", Jan 22

Project Status:

1. WWTP Flow Equalization Basin. Contractor; Lehman Construction. Project substantially complete. Startup and Testing.

2. Rice / Mueller Stormwater Improvements. Contractor; Earthworks Excavation. Project substantially complete. Contractor to return when weather is conducive to seeding.



REPORT OF OPERATIONS

Boonville, Missouri

Water Treatment Plant

January 2019

Submitted by Alliance Water Resources, Inc.

February 19, 2019

City Council Meeting

**OUR
MISSION**

We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management and financial oversight, and ensured regulatory compliance.

**Alliance Water
Resources, Inc.**

**206 S. Keene St.
Columbia, MO
65201**

(573)874-8080

January 2019

Administrative

- Conducted interviews for the Operator I position.
- Prepared and presented the AWR budget and City CIP forecast to Irl.
- Submitted City Business License application.

Treatment

- Normal operations and maintenance were performed this month.
- Rebuilt the air actuator on the influent valve for filter #4.
- Installed L.E.D. retrofits on two exterior security lights to try them out.
- Replaced the hydraulic pump motor, solenoid, and wiring harness for the snow plow.

Project Updates

- Purchase order was issued for the west river pump rebuild.

Safety

- Safety meeting was on Personal Protective Equipment.
- Started to complete the yearly AWR safety audit.

Regulatory

- Ten Microbiological samples were taken in the distribution system. All samples tested were absent of Total Coliform and E-Coli. Report sent to DNR. (see attached)
- Sent the Major Water Use Report to the DNR. (attached)

Concerns for the Month

- Large snow storm event with over 10 inches of snow.

Positives for the Month

- The system remains in compliance with TTHM regulations through the 4th quarter of 2018.
- The large snow storm had no effect on plant operations.

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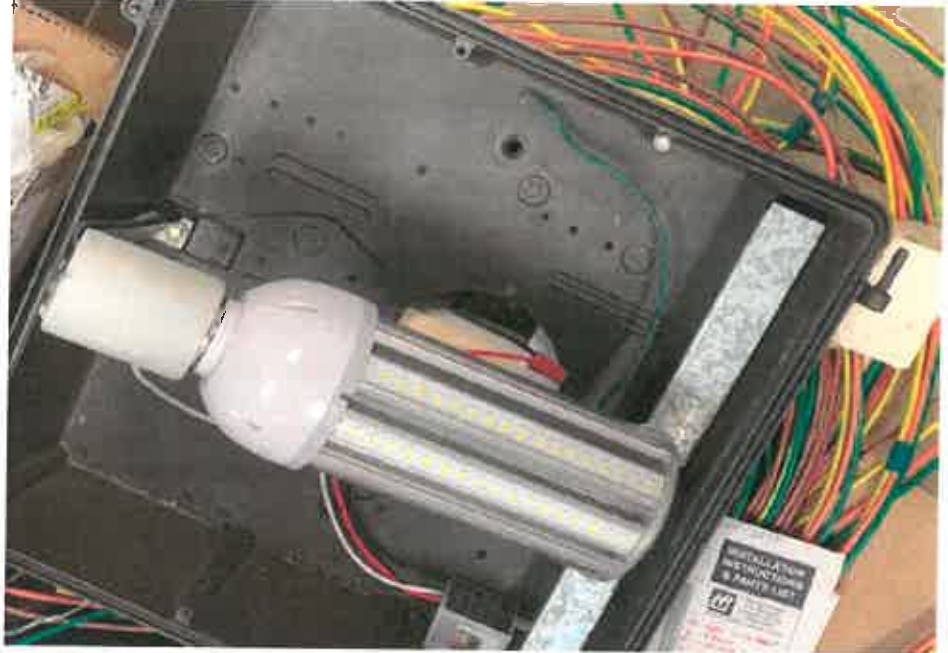
**Alliance Water
Resources, Inc.**

**206 S. Keene St.
Columbia, MO
65201**

(573)874-8080

PHOTOS

Security Light Retrofit



Plow motor





MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM – PUBLIC DRINKING WATER BRANCH
MONTHLY UV OPERATION REPORT

1. PUBLIC WATER SYSTEM NAME City of Boonville		PWS ID MO3010089	2. MONTH / YEAR January 2019		
ADDRESS 901 Riviera Drive		TELEPHONE NUMBER WITH AREA CODE 660-882-4021	EMAIL ADDRESS tbaslee@alliancewater.com		
CITY Boonville		ZIP CODE 65233	COUNTY Cooper		
3. Unit	4. Total Run Time (hrs)	5. Total Volume (MG)	6. Dosage (mL/cm ³)	7. Number of Off-Specification Events	8. Total Off-Specification Volume (MG)
1 - Transfer	185.5	31.589	0.00	11	.043442
2 - Tower	0.0	0.0	N/A	N/A	N/A
9. TOTAL VOLUME OF OFF-SPECIFICATION WATER PRODUCED (MG) [A]			10. TOTAL VOLUME OF WATER PRODUCED (MG) [B]		
.043442			31.589		
11. PERCENT OF OFF-SPECIFICATION WATER PRODUCED ((A)/[B]*100)			12. PERCENT OF OFF-SPECIFICATION WATER PRODUCED <5 PERCENT		
0.1375225%			☒ YES ☐ NO		
13. Of the 8 sensors, 8 have been checked for calibration and 8 were within the acceptable range of tolerance.					
14. The following reactors had a sensor correction factor		Unit	Sensor correction factor		
15. COMMENTS 9 of the off-spec events were due to ammonium sulfate in the water and being injected upstream of the reactor. This is creating a fluctuation of the mag-meter. The fluctuation have gotten worse this month and we have contacted our chemical supplier. On 1/22/2019, air got into the reactor which, in turn, caused the reactor to communicate that there could be a chance of overheating the bulbs. This caused the reactor to shut down, then, the network took 30 seconds to get the pumps to shut down. On 1/28/2019, there was a power fluctuation which caused all of the plant to shut down. All instrumentation had to be reset, the last one being the online UVT analyzer which had defaulted to 87%					
16. NAME OF PERSON PREPARING REPORT Todd Baslee		17. SIGNATURE OF RESPONSIBLE OFFICIAL 		DATE 2/10/2019	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM - PUBLIC DRINKING WATER BRANCH
**DISINFECTION AND TURBIDITY REPORT FOR SURFACE WATER
SYSTEMS < 10,000 POPULATION**

PWS NAME City of Boonville		PWS ID MO 3010089	MONTH January
ADDRESS 901 Riviera Drive		TELEPHONE NUMBER WITH AREA CODE (860) 882-4021	YEAR 2019
CITY Boonville	ZIP CODE 65233	COUNTY Cooper	PLANT Main Plant

SEE INSTRUCTIONS

DISTRIBUTION DISINFECTION

1. Number of samples analyzed, A: 10
 2. Number of samples below 0.2 mg/L, B: 0
 3. Avg. disinfectant residual for the month 3.09 mg/l
- [(A-B)/A] x 100 = C: 100 % meeting minimum disinfection required.

TURBIDITY

1. Total number measurements taken monthly, A: 189
 2. Number of measurements below 0.3 NTU, B: 189
- [B/A] x 100 = C: 100 % meeting turbidity requirements.

Date	Hours of operation	Finished water temperature (C)	Lowest disinfectant at entrance to distribution system (mg/L)	Highest turbidity measurement of the day	Duration disinfectant fell below 0.5 mg/L free Cl ₂ or 1 mg/L chloramines	Value of turbidity measurements that exceed	
			☐ Free Chlorine ☒ Chloramines			1NTU	5 NTU
1	4.75	7	2.58	.04	X	X	X
2	5.50	7	2.38	.04	X	X	X
3	5.75	7	2.70	.03	X	X	X
4	5.0	6	2.52	.03	X	X	X
5	4.75	7	2.50	.03	X	X	X
6	4.50	7	2.00	.03	X	X	X
7	5.75	7	2.00	.03	X	X	X
8	4.75	8	2.30	.03	X	X	X
9	5.75	8	2.89	.03	X	X	X
10	4.25	8	1.93	.03	X	X	X
11	7.75	8	2.48	.03	X	X	X
12	5.75	7	2.82	.06	X	X	X
13	4.0	8	3.20	.04	X	X	X
14	4.50	8	2.82	.04	X	X	X
15	4.25	8	2.73	.04	X	X	X
16	5.0	8	2.12	.04	X	X	X
17	6.75	4	2.71	.03	X	X	X
18	4.25	4	2.18	.03	X	X	X
19	5.0	6	1.06	.03	X	X	X
20	5.0	7	1.73	.03	X	X	X
21	5.75	6	1.82	.06	X	X	X
22	7.0	8	1.89	.13	X	X	X
23	5.0	4	2.03	.08	X	X	X
24	6.0	3	1.56	.08	X	X	X
25	5.0	2	2.48	.04	X	X	X
26	4.5	5	1.88	.04	X	X	X
27	4.5	6	1.34	.04	X	X	X
28	5.0	6	1.57	.03	X	X	X
29	6.50	1	2.25	.07	X	X	X
30	5.0	1	2.46	.20	X	X	X
31	6.25	1	2.19	.08	X	X	X

NAME OF PERSON PREPARING REPORT Todd Baslee	SIGNATURE OF RESPONSIBLE OFFICIAL 	DATE 2/10/2019
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INSTRUCTIONS: DISINFECTION AND TURBIDITY REPORT FOR SURFACE WATER SYSTEMS <10,000 POPULATION

Please fill out information completely and legibly.

Distribution Disinfection

1. On line 1, enter the total number of samples from the distribution system analyzed for residual disinfectant concentration (total chlorine or combined chlorine) during the month. The residual disinfectant concentration measurements must be taken at the same time and location as your routine monthly coliform samples. This is the value for A.
2. On line 2, enter the number of samples for the distribution systems that had less than 0.2 mg/L residual disinfectant concentration. This is the value for B.
3. Subtract B, from A. (A-B). Divide that number by A. Then multiply by 100. This will give you the value for C. For example: if A= 20 and B= 3, then $C = [(20-3)/20] \times 100 = 85\%$
4. On line 3, enter the arithmetic average for all residual disinfectant samples taken during the month.

Turbidity:

- 1 On line 1, enter the total number of combined filter turbidity measurements taken during the month. This is the value for A.
- 2 On line 2, enter the number of combined filter turbidity measurements taken during the month, which are less than or equal to 0.3 NTU. This is the value for B.
- 3 Divide B, by A. (B/A). Then multiply that number by 100. This will give you the value for C. For example: if A = 120 and B = 117, then $C = (117/120) \times 100 = 97.5\%$

Hours of operation:

For each day, record the number of hours each water treatment plant was in operation.

Finished Water Temperature

For each day, record the temperature of water entering the distribution.

Lowest Residual Disinfectant at Entrance to Distribution System:

For each day, record the lowest measurement of residual disinfectant concentration (mg/L) in water entering the distribution system (free available chlorine or chloramines).

Duration Residual Disinfectant Fell Below Requirement:

For each day, record the duration (hours, tenths) of each period (if any) when the residual disinfectant concentration in water entering the distribution system fell below 0.5 mg/L free chlorine or 1 mg/L chloramines. Note: should this occur the public water system must notify the department as soon as possible, but no later than by the end of the next business day.

The Highest Turbidity Reading for the Day:

For each day, record the highest turbidity reading on the combined plant effluent during the plants operational period.

Value of Turbidity Measurements that exceed 1 NTU and 5 NTU:

For each day, record the value of any turbidity measurements taken during the month, which exceed 1 NTU and 5 NTU. Note: should this occur the public water system must notify the department as soon as possible, but no later than the end of the next business day.

INDIVIDUAL FILTER MONITORING AND REPORTING

- 1 Was each filter continuously monitored for turbidity and results recorded every 15 minutes? Yes
- 2 Was there a failure of the continuous turbidity monitoring equipment? No
If yes on 2, was the equipment repaired within 5 working days or 14 days with department approval? N/A
If yes on 2, was grab sampling done every four hours until failure corrected? N/A
- 3 Was any individual filter turbidity level >1.0 NTU in two consecutive measurements taken 15 minutes apart? No
If yes, perform follow-up actions step 1.
- 4 Was any individual filter level for three months in a row > 1.0 NTU in two consecutive recordings taken 15 minutes apart? No
If YES, perform follow-up actions step 2
- 5 Was any individual filter turbidity level > 2.0 NTU in two consecutive recordings taken 15 minutes apart for two consecutive months? No
If YES, perform follow-up actions step 3

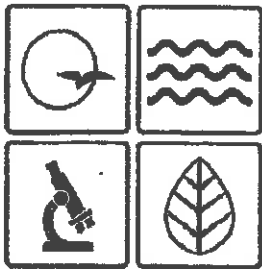
FOLLOW-UP ACTIONS to PERFORM

1. Report filter numbers, turbidity measurements that exceed 1 NTU and dates the exceedances occurred and causes if known.
2. Conduct a self-assessment of the filters within 14 days of the triggering event. The system must report the date self-assessment was triggered and the date it was completed.
3. The system must arrange to have a comprehensive performance evaluation performed not later than 60 days following the triggering event. The evaluation must be completed and submitted to the department within 120 days following the triggering event.

The Missouri Department of Natural Resources-Public Drinking Water Branch recommends contacting your local regional office if any individual filter exceeds 1.0 NTU, the lowest trigger in the individual filter standards.

MO 780-D438 (05-13)

Return completed form to Department of Natural Resources, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176



Missouri Department of Natural Resources
Environmental Services Program
 PO Box 176 Jefferson City MO 65102-0176
RESULTS OF SAMPLE ANALYSES

Test Group:
 THM-HAA

Order ID:
 181103066



Report Date:
 1/23/2019

RUSSELL A GERLING
BOONVILLE PWS
901 RIVERIA DR

BOONVILLE MO 65233

Sample: AD35696		Facility ID: MO3010089				
		Site: BOONVILLE PWS		County: COOPER		
Collect Date: 12/31/2018 2:45:00 PM						
Sample Location: SM-B-1216 E MORGAN STREET DBPDUAL-01						
Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	5.53	µg/L			
552.2	Bromodichloroacetic Acid/552.2	4.72	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.0	µg/L	29, ND		
552.2	Dibromoacetic Acid/552.2	1.61	µg/L			
552.2	Dichloroacetic Acid/552.2	11.1	µg/L			
552.2	Monobromoacetic Acid/552.2	7.99	µg/L			
552.2	Monochloroacetic Acid/552.2	<5.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<2.0	µg/L	29, ND		
552.2	Trichloroacetic Acid/552.2	7.81	µg/L			
THMs	Bromodichloromethane/524.2	15.0	µg/L			
THMs	Bromoform/524.2	0.86	µg/L			
THMs	Chloroform/524.2	31.1	µg/L			
THMs	Dibromochloromethane/524.2	6.81	µg/L			
Total HAA5	Total HAA5/552.2	28.5	µg/L		60	
Total THM	Total THM/524.2	53.8	µg/L		80	

Sample: AD35697**Facility ID: MO3010089****Site: BOONVILLE PWS****County: COOPER****Collect Date: 12/31/2018 3:04:00 PM****Sample Location: SM-D-819 JEFFERSON ROAD DBPDUAL-02**

Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	4.50	µg/L			
552.2	Bromodichloroacetic Acid/552.2	3.31	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.0	µg/L	29, ND		
552.2	Dibromoacetic Acid/552.2	1.18	µg/L			
552.2	Dichloroacetic Acid/552.2	9.24	µg/L			
552.2	Monobromoacetic Acid/552.2	<1.0	µg/L	ND		
552.2	Monochloroacetic Acid/552.2	<5.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<2.0	µg/L	29, ND		
552.2	Trichloroacetic Acid/552.2	5.60	µg/L			
THMs	Bromodichloromethane/524.2	14.8	µg/L			
THMs	Bromoform/524.2	0.85	µg/L			
THMs	Chloroform/524.2	29.6	µg/L			
THMs	Dibromochloromethane/524.2	6.36	µg/L			
Total HAA5	Total HAA5/552.2	16.0	µg/L		60	
Total THM	Total THM/524.2	51.6	µg/L		80	

MCL- A Maximum Contaminant Level (MCL) is the legal threshold limit on the amount of a substance that is allowed in drinking water under the Federal Safe Drinking Water Act. MCLs are health based, legally enforceable standards. Drinking water results below the MCLs are considered safe.

*Lead and Copper samples have an Action Level (AL) and not an MCL. The AL levels for Lead and Copper are shown in the MCL column.

SS- Secondary Drinking Water Regulations (secondary standards) are non-enforceable guidelines regulating contaminants that may cause aesthetic effects in drinking water, such as taste, color or odor. It is recommended that water systems comply with secondary standards but water systems are not required to comply.

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency. If you have any questions, please contact Mr. Eric Medlock at (573) 522-3026.

Data Qualifier(s)

29

Estimated value, QC data biased low

ND

Not detected at reported value

Kevin Thoenen,
Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Missouri Department of Natural Resources
Water Resources Center
Major Water Use Report Date: 01/09/2019 *— Date submitted online —*
Major Water Use Information System *248*

Registration / Report Year: 2018
Gallons of Ground Water: 0
Gallons of Surface Water: 401,824,000
Total Annual Gallons Used: 401,824,000

Reporter Identifiers

Type of Reporter: MAJOR WATER USER - NONIRRIGATOR
E-mail Address: tbaslee@alliancewater.com
Major Water User ID: 44675605

Applicant Contact Information

Organization: BOONVILLE WTP
First Name: TODD
Last Name: BASLEE
Mailing Address: 901 RIVIERA DR
Address 2:
City: BOONVILLE
State: MISSOURI
Zip: 65233
County: COOPER
Telephone Number: 680-882-4021

Water User Information

☐ No Water User
☐ All
☐ Unknown

☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun
☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec

Comment:

Water days withdrawn: 365
Amount Used each day: 1100887
Unit: GALLONS
Total Gallons: 401823755

CATEGORY	DEFINITION	TOTAL
Municipal	Public, private and rural water suppliers. Includes water used for domestic, commercial and industrial purposes.	100%
Commercial	Hotels, restaurants, office buildings, or institutions.	0%
Fish and Wildlife	Fish and wildlife habitat including aquaculture.	0%
Livestock	Livestock watering, feedlots, dairy operations and other farm needs.	0%
Electrical	Generation of electricity: nuclear, hydropower, thermoelectric and pumped storage operations.	0%
Industrial	Industrial purposes such as refining, smelting, fabrication, processing, washing and cooling.	0%
Drainage and Dewatering	Removal of water through draining or pumping to lower the water table.	0%
Irrigation	Water used for ornamental or consumptive agricultural production.	0%
Recreation	Water used pleaurably for purposes of swimming, boating, game fishing, and aesthetics.	0%
Other	Please explain:	0%
Total:		100

Water Use Information

Withdraw ID:	6215239	Total Annual Usage:	401824000
Unit:	GALLONS	User Description:	
Acres Irrigated:	0	Inches Applied:	0.0
Water Draw Type:	SURFACE INTAKE	Status:	ACTIVE
Year Established:	1881		
Water Body Name:			MISSOURI RIVER @ MILE 197.5
Water Body Type:	RIVER		
Pump Capacity (gpm):	2800	Measurement Type:	METERED
Section:	34	County:	COOPER
Township:	49	Latitude:	38.97579
Range:	17W	Longitude:	-92.76046

Crops and Acres