



BOONVILLE

City of Boonville

December 19, 2022

7:00 p.m.

City Council Chambers

525 E. Spring Street

Boonville MO 65233

Meeting Live streamed <https://www.youtube.com/user/cityofboonvillemo> & Channel 3 with Suddenlink Cable TV

I. Call to order – Pledge and Prayer (Sy Harvell)

II. Roll call

III. Hearing of Citizens' Comments

IV. Approval of the Minutes of the December 5, 2022, Council Meeting

V. Consent Items

VI. Presentation of Accounts and Claims

VII. Unfinished Business

A) Second reading of Bill No. 2022-049 amending the personnel manual effective January 1st, 2023

VIII. New Business

A) Consider Resolution No. R2022-21 authorizing Cooper County EMA to apply for 2021 mini grant for tornado sirens.

IX. Reports of Standing Committee

- Planning and Zoning- Albert Turner

X. Reports of City Officials

A) City Administrator

B) Mayor

Committee Appointment-

C) City Clerk

Election update

Public announcement closed on dec 23rd

D) Economic developer

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.

City of Boonville
City Council Meeting Minutes
December 5, 2022

The Boonville City Council met in Regular Session on December 5, 2022, at 7:00 p.m. in the Council Chambers located at 525 East Spring Street, Boonville Missouri. The following officers were present; Ned Beach, Mayor; Kate Fjell, City Administrator; Amber Davis, City Clerk; Randy Ayers, Sergeant at Arms and Interim City Counselor, Doug Abele was absent.

NOTICE POSTED: December 1, 2022, at 1:45 p.m.

CALL TO ORDER – PLEDGE AND PRAYER

The meeting was called to order. Andrew Cowherd led the prayer, after the pledge of allegiance.

ROLL CALL

The following Council Representatives were present: Susan Meadows, Andrew Cowherd, Sy Harvell, Barry Elbert, Whitney Venable, Albert Turner, and Steve Young. Council Representatives Susan Meadows and Michael Stock were absent.

HEARING OF CITIZENS' COMMENTS

Josh Black golf course manager came before the council and updated them on the management and operations of the golf course. Mr. Black stated they have worked hard to repair the greens after an herbicide overspray and believes they have turned the corner. Mr. Black stated memberships continue to grow and the rounds played in 2022 were approximately 26,000.

Mary Ellen McVicker came before the council to ask them for approval to add the last and final sculpture to the sculpture park on Morgan Street. Ms. McVicker stated she would like approval from the council to add Cordie Tindall Vivian, Ms. McVicker gave out a memo about who Mr. Vivian was and why he was important to the community.

APPROVAL OF THE MINUTES OF November 21, 2022, COUNCIL MEETING

The minutes stand as submitted.

CONSENT ITEMS

None

PRESENTATION OF ACCOUNTS AND CLAIMS

Ms. Davis 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. Venable moved, and Mr. Venable seconded the motion to approve the ordinance appropriating money.

Roll call was taken. Ayes: Cowherd, Harvell, Elbert, Venable, Turner, and Young. Total (6)
Opposed: None (0). Absent: Susan Meadows and Michael Stock (2)

UNFINISHED BUSINESS

None

NEW BUISNESS

***FIRST READING OF BILL NO. 2022-049 AMENDING THE PERSONAL MANUAL
EFFECITVE JANUARY 1ST, 2023***

Ms. Davis read, by title only, a copy of the bill

REPORTS OF STANDING COMMITTEES

None

REPORTS OF CITY OFFICIALS

CITY ADMINISTRATOR

Ms. Fjell stated the phase 1 environmental assessment has been completed on A and D Barracks.

MAYOR

None

CITY CLERK

Ms. Davis Reminded the council about the upcoming filing period for the April municipal election. The filing period is December 6th through the 27th.

MISCELLANEOUS

Mr. Turner made a motion and Mr. Elbert seconded the motion to add C.T. Vivian to the Morgan Street sculpture park.

Roll call was taken. Ayes: Cowherd, Harvell, Elbert, Venable, Turner, and Young. Total (6)

Opposed: None (0). Absent: Susan Meadows and Michael Stock (2).

Mr. Turner asked if the budget work sheets shared with council could be streamlined with revenues on one page and expenses on another page. Ms. Fjell stated that she will try to make the information clearer, however some of the funds are complicated because they include multiple departments and/or money is transferred to other funds.

ADJOURN

With no further discussion, Mr. Young moved, and Mr. Venable seconded the motion to Adjourn at 7:28 p.m. and the voice vote was unanimous.

Respectfully Submitted,

Amber Davis, 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 **December 19, 2022** the sum of **\$402,203.89**

General Fund	\$231,021.65
Sanitation	\$25,070.94
CIP Tax	\$4,343.44
Water Works	\$30,556.72
Capital Projects	\$22,299.19
Waste Water	\$60,409.79
Tourism	\$17,957.89
Gaming	\$5,501.50
Parks/Water	\$5,042.77
Kemper Sales Tax	\$0.00
Economic Development Projects	\$0.00

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 **\$402,203.89** 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 **December 19, 2022** read for the second time this **December 19, 2022** since a copy was made available prior to the meeting.

Approved **December 19, 2022** _____
Mayor

Endorsed **December 19, 2022** : 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

RESOLUTION NO. R2022-21

A RESOLUTION OF THE CITY OF BOONVILLE, MISSOURI, STATING INTENT TO SEEK FUNDING THROUGH THE EMERGENCY MANAGEMENT PERFORMANCE 2021 MINI GRANT AND AUTHORIZING THE COOPER COUNTY EMERGENCY MANAGEMENT AGENCY TO APPLY AS THE CITY'S EMERGENCY MANAGEMENT AGENCY; AND PROVIDING AN EFFECTIVE DATE THEREFORE

WHEREAS, The City of Boonville Contracts with Cooper County Emergency Management to serve as the Emergency Management Agency for the City of Boonville; and

WHEREAS, Cooper County Emergency Management Agency is funded in part annually through Missouri State Emergency Management, therefore making them eligible to apply for the 2021 Mini Grant; and

WHEREAS, The City of Boonville has expanded its boundaries to the east, necessitating new tornado warning sirens to keep citizens safe; and

WHEREAS, the siren would also serve the Village of Windsor; thereby improving the tornado siren warning system in Cooper County.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BOONVILLE, MISSOURI, AS FOLLOWS:

SECTION 1: That the City of Boonville, Missouri does authorize the Cooper County Emergency Management Agency and its' director, Larry Oerly, to apply and submit for a mini grant through Missouri State Emergency Management Agency, which would assist in the purchase of a tornado siren.

SECTION 2: That the City of Boonville, Missouri, and Cooper County Emergency Management Agency have conferred and agreed to place a tornado siren on City property, near Hail Ridge Golf Course.

SECTION 3: If the application is successful, once installed, the City of Boonville agrees to keep and maintain the tornado siren.

SECTION 4: This resolution shall take effect and be in full force from and after its passage and approval.

PASSED THIS 19TH DAY OF DECEMBER 2022, BY THE CITY COUNCIL OF THE CITY OF BOONVILLE, MISSOURI

Ned Beach, Mayor

ATTEST:

Amber Davis, City Clerk

Amber Davis

From: Jeff Ditto
Sent: Friday, December 9, 2022 3:08 PM
To: Albert Turner - Councilward2n; Amber Davis; Clark Greis - main ;
Joshua.snoddy@mofb.com; matt; Ned Beach; svogler@mecoengineering.com; Sonny
Warren (sonnywarren1978@gmail.com); Building Inspector; Zach Simpson
Cc: Teresa Studley; Kate Fjell
Subject: P&Z MEETING

The Tuesday, December 13th ^{P&Z}~~Council~~ Meeting is cancelled due to lack of agenda items.

Jeff Ditto
Director of Public Works
City of Boonville
660-882-5257

VACANT COMMITTEE POSITIONS & COMMITTEE APPOINTMENTS

Architectural Review Committee – 5 seats

Vacant – 0

Needs Renewed if they Choose – 0

Board of Adjustments – 5 Seats – TOTAL NEEDED 5

Vacant – 3

Needs Renewed if they Choose – 2

Board of Public Works – 4 Seats – TOTAL NEEDED 1

Vacant – 1

Needs Renewed if they Choose – 0

BOCA Board of Appeals—7 Seats – TOTAL NEEDED 7

Vacant – 1

Needs Renewed if they Choose – 6

Boonville Housing Authority Board – 6 Seats –

Vacant – 0

Needs Renewed if they Choose – 0

Fire Board – 5 Seats

Vacant – 0

Needs Renewed if they Choose – 0

Historic Preservation Commission – 7 Seats – TOTAL NEEDED 4

Vacant – 1

Needs Renewed if they Choose – 3

Industrial Development Authority – 8 Seats

Vacant – 0

Needs Renewed if they Choose – 0

Kyle Thacher – May 2024

Local Agency Funding – 5 Seats

Vacant – 0

Needs Renewed if they Choose – 0

Parks and Recreation Board – 5 Seats – TOTAL NEEDED 2

Vacant – 2

Needs Renewed if they Choose – 0

Planning and Zoning Commission – 5 Seats

Vacant – 0

Needs Renewed if they Choose – 1

Police Board – 5 Seats

Vacant – 0

Needs Renewed if the Choose – 0

Street, Alley, and Sanitation Board – 5 Seats – TOTAL NEEDED 1

Vacant – 0

Needs Renewed if the Choose – 1

Tourism Committee – 5 Seats – TOTAL NEEDED 3

Vacant – 0

Needs Renewed if the Choose – 3

Transportation Development District Committee – 5 Seats – TOTAL NEEDED 1

Vacant – 0

Needs Renewed if they Choose – 0

Public Works Monthly Report
November 2022

WWTP:

Total flow processed – 24,580,000 gallons

Average daily flow – 819,333 gallons

Sludge disposed – 62.99

WTP:

Gallons pumped from river – 29,054,000 gallons

Gallons pumped to customer – 27,948,000 gallons

Remarks:

Water Distribution / Sewer Collection:

Repair Water Main Break at 1101 Krohn Street

Repair Water Main Break on Jefferson Road

Repair Water Main Break in 700 block of 7th Street

Repair Water Main Break at Hill Top & Mueller Street

Installed 24 new meters

Street Department:

Cleaned Streets with Street Sweeper

Concrete/Road repair at Woodland Park

Picked up yard waste

Sewer line to Fox Hollow

Fixed Potholes

Central Garage:

Vehicles serviced and inspected – 8

Vehicle and equipment repairs – 15

Weather:

Average Temperature –50°

High Temperature – 84° November 10th, 2022

Low Temperature - 23° November 19th, 2022

Total Rain – 2.4"

Maximum Rain – 1.42" November 27th, 2022



Missouri Gaming Commission State/Local Allocation of Gaming Revenues

For the Period 11/1/2022 through 11/30/2022
Year beginning 11/1/2022

RPT MGC/3

Gaming Date	Day	Admission Tax Remitted	Gaming Tax Remitted	Total Tax Remitted	State & Local Portion of Adm Tax	State Portion of Gaming Tax	Local Portion of Gaming Tax	Total Local Adm & Gaming Tax
Isle of Capri IB								
11/01/2022	Tuesday	\$4,616.00	\$35,054.06	\$39,670.06	\$2,308.00	\$31,548.65	\$3,505.41	\$5,813.41
11/02/2022	Wednesday	\$5,094.00	\$42,386.13	\$47,480.13	\$2,547.00	\$38,147.52	\$4,238.61	\$6,785.61
11/03/2022	Thursday	\$5,608.00	\$36,799.17	\$42,407.17	\$2,804.00	\$33,119.25	\$3,679.92	\$6,483.92
11/04/2022	Friday	\$8,982.00	\$81,020.78	\$90,002.78	\$4,491.00	\$72,918.70	\$8,102.08	\$12,593.08
11/05/2022	Saturday	\$10,668.00	\$86,855.24	\$97,523.24	\$5,334.00	\$78,169.72	\$8,685.52	\$14,019.52
11/06/2022	Sunday	\$6,968.00	\$69,195.38	\$76,163.38	\$3,484.00	\$62,275.84	\$6,919.54	\$10,403.54
11/07/2022	Monday	\$3,798.00	\$19,212.28	\$23,010.28	\$1,899.00	\$17,291.05	\$1,921.23	\$3,820.23
11/08/2022	Tuesday	\$3,976.00	\$36,531.51	\$40,507.51	\$1,988.00	\$32,878.36	\$3,653.15	\$5,641.15
11/09/2022	Wednesday	\$4,906.00	\$47,546.32	\$52,452.32	\$2,453.00	\$42,791.69	\$4,754.63	\$7,207.63
11/10/2022	Thursday	\$5,428.00	\$35,375.78	\$40,803.78	\$2,714.00	\$31,838.20	\$3,537.58	\$6,251.58
11/11/2022	Friday	\$9,822.00	\$64,043.26	\$73,865.26	\$4,911.00	\$57,638.93	\$6,404.33	\$11,315.33
11/12/2022	Saturday	\$10,530.00	\$61,531.21	\$72,061.21	\$5,265.00	\$55,378.09	\$6,153.12	\$11,418.12
11/13/2022	Sunday	\$6,444.00	\$64,924.48	\$71,368.48	\$3,222.00	\$58,432.03	\$6,492.45	\$9,714.45
11/14/2022	Monday	\$2,794.00	\$26,687.58	\$29,481.58	\$1,397.00	\$24,018.82	\$2,668.76	\$4,065.76
11/15/2022	Tuesday	\$2,870.00	\$26,488.56	\$29,358.56	\$1,435.00	\$23,839.70	\$2,648.86	\$4,083.86
11/16/2022	Wednesday	\$4,770.00	\$45,217.02	\$49,987.02	\$2,385.00	\$40,695.32	\$4,521.70	\$6,906.70
11/17/2022	Thursday	\$4,730.00	\$30,971.65	\$35,701.65	\$2,365.00	\$27,874.49	\$3,097.16	\$5,462.16
11/18/2022	Friday	\$7,374.00	\$66,838.89	\$74,212.89	\$3,687.00	\$60,155.00	\$6,683.89	\$10,370.89
11/19/2022	Saturday	\$8,958.00	\$68,201.48	\$77,159.48	\$4,479.00	\$61,381.33	\$6,820.15	\$11,299.15
11/20/2022	Sunday	\$5,758.00	\$43,404.43	\$49,162.43	\$2,879.00	\$39,063.99	\$4,340.44	\$7,219.44
11/21/2022	Monday	\$3,492.00	\$26,745.48	\$30,237.48	\$1,746.00	\$24,070.93	\$2,674.55	\$4,420.55
11/22/2022	Tuesday	\$4,190.00	\$30,426.49	\$34,616.49	\$2,095.00	\$27,383.84	\$3,042.65	\$5,137.65
11/23/2022	Wednesday	\$6,050.00	\$61,261.21	\$67,311.21	\$3,025.00	\$55,135.09	\$6,126.12	\$9,151.12
11/24/2022	Thursday	\$10,142.00	\$65,706.08	\$75,848.08	\$5,071.00	\$59,135.47	\$6,570.61	\$11,641.61
11/25/2022	Friday	\$11,046.00	\$79,699.49	\$90,745.49	\$5,523.00	\$71,729.54	\$7,969.95	\$13,492.95
11/26/2022	Saturday	\$9,756.00	\$72,996.96	\$82,752.96	\$4,878.00	\$65,697.26	\$7,299.70	\$12,177.70
11/27/2022	Sunday	\$5,930.00	\$49,557.82	\$55,487.82	\$2,965.00	\$44,602.04	\$4,955.78	\$7,920.78
11/28/2022	Monday	\$3,542.00	\$31,100.62	\$34,642.62	\$1,771.00	\$27,990.56	\$3,110.06	\$4,881.06
11/29/2022	Tuesday	\$4,138.00	\$28,300.21	\$32,438.21	\$2,069.00	\$25,470.19	\$2,830.02	\$4,899.02
11/30/2022	Wednesday	\$4,976.00	\$42,656.41	\$47,632.41	\$2,488.00	\$38,390.77	\$4,265.64	\$6,753.64
Casino Report Totals:		\$187,356.00	\$1,476,735.98	\$1,664,091.98	\$93,678.00	\$1,329,062.37	\$147,673.61	\$241,351.61
Casino YTD Totals		\$187,356.00	\$1,476,735.98	\$1,664,091.98	\$93,678.00	\$1,329,062.38	\$147,673.60	\$241,351.60



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*Note: The figures contained in this report may be subject to adjustment.



REPORT OF OPERATIONS

Boonville, Missouri

Water Treatment Plant

November 2022

Submitted by Alliance Water Resources, Inc.

December 19, 2022

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

November 2022

Administrative

- Todd Baslee, Andrew Porter, and Matt Bishop participated in a Small Water Systems Operator Training in Columbia, Mo, hosted by AWWA.
- Russell Gerling, Todd Baslee, and Jeff Ditto participated in a Teams video meeting with Geosyntec regarding the pending NPDES Permit for the Water Treatment Plant.

Treatment

- Normal operations and filter maintenance were performed this month.
- The Top of Filter Pump failed to maintain a pump prime several times. The staff rebuilt the suction piping system including a new foot valve at the bottom of the pipe.
 - The staff installed new back-up batteries in the Krohn St Water Tower PLC system.
 - The staff added diesel fuel additives to all 4 generators for the winter season.
 - The staff changed the air filters in the Lab air filtration system.
 - The staff installed new LED lights in the Air Compressor Room.
 - The staff repaired the power cables for the Tommy Lift on the city truck. The staff installed new cables and splice kits.
 - Accurate Heating and Cooling was here to install a new blower motor on the furnace in the Chemical Feed Room.
 - The staff completed the winterization list for the winter season.
 - The staff replaced a 12" service saddle on the UV Reactor #1 line. J Louis Crum assisted in the replacement of the service saddle.
 - Utility Service was here to inspect the operation of the tank mixer and power vent at the Krohn St Water Tower.
 - The staff installed a new air solenoid on the #6 Filter to Waste Valve.
 - The 2019 Chevy truck owned by Alliance Water Resources was involved in an accident involving a school bus owned by First Student. The driver of the school bus backed into the driveway at the Water Treatment Plant to turn around. As the driver pulled out the driveway, the driver was turning left. The back of the school bus swung to the right hitting the front bumper and grill of the Chevy truck. There were no injuries to report. Information was exchanged and reports were filed with the appropriate parties.

Project Updates

- None at this time.

Safety

- The staff conducted its Monthly Safety meeting.
- The staff conducted its monthly check of chlorine leak detector sensors.
- The staff conducted its weekly inspection of emergency eyewash stations and emergency showers.
- The staff conducted its monthly crane inspection in the Chlorine Storage Room.

Regulatory

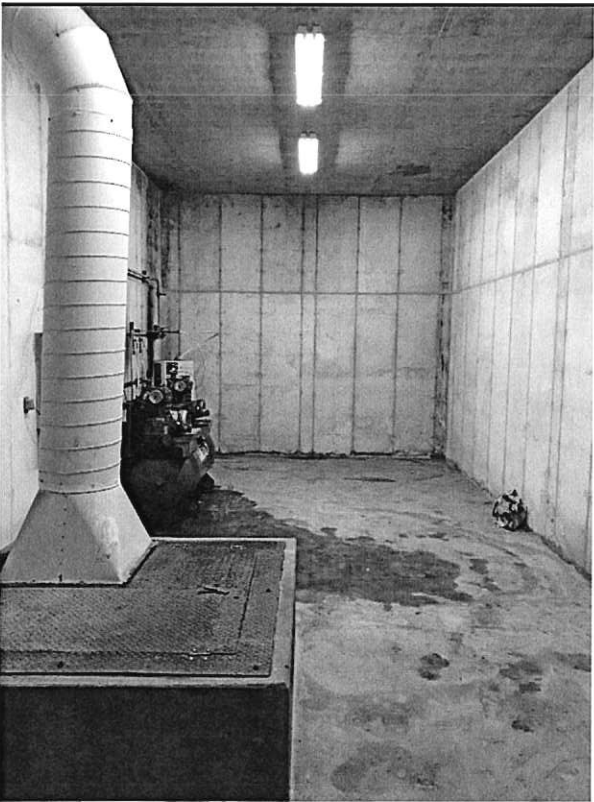
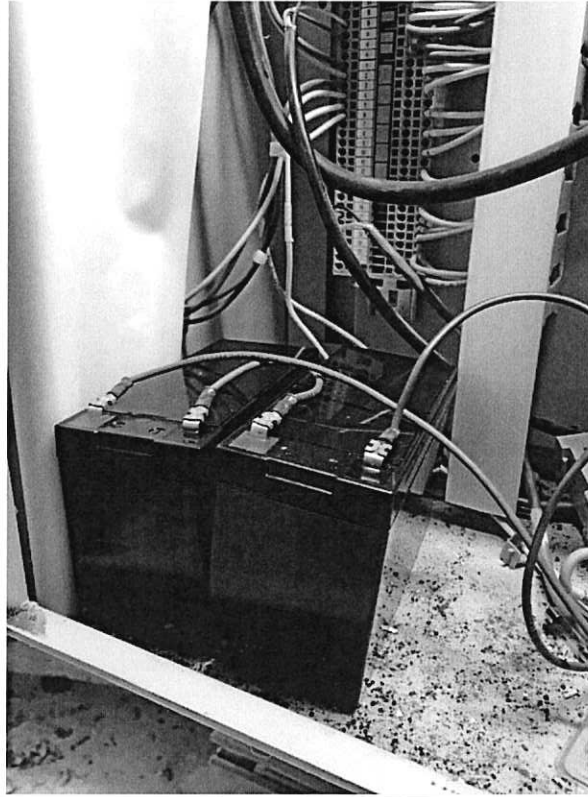
- The staff collected ten water samples throughout the water distribution system for Total Coliform and E-Coli testing. All samples tested were absent of Total Coliform and E-Coli. Report was sent to DNR. (See attached)
- The staff collected monthly water samples for (TOC) Total Organic Compound testing. The samples were shipped to the State Health Lab.
- The staff collected water samples for quarterly (SOC) Synthetic Organic Compound testing. The samples were shipped to the State Health Lab.

Concerns for the Month.

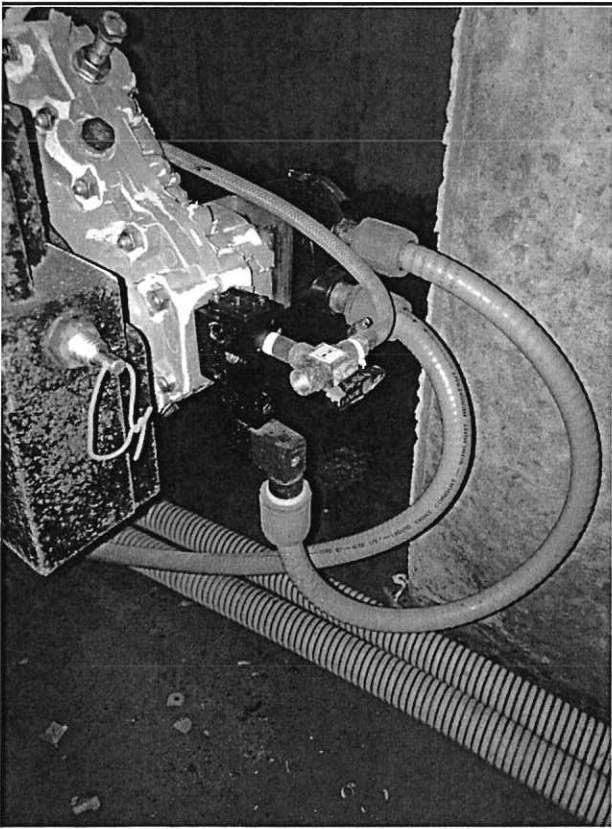
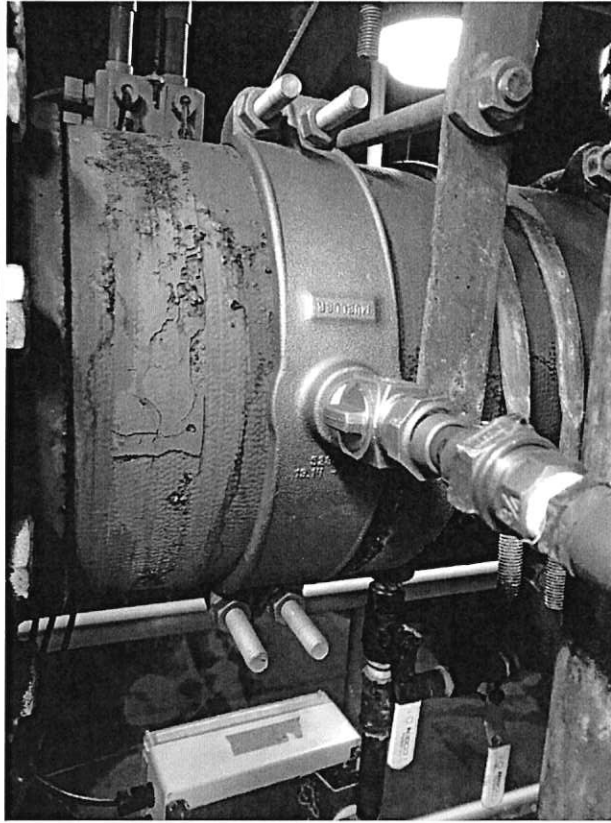
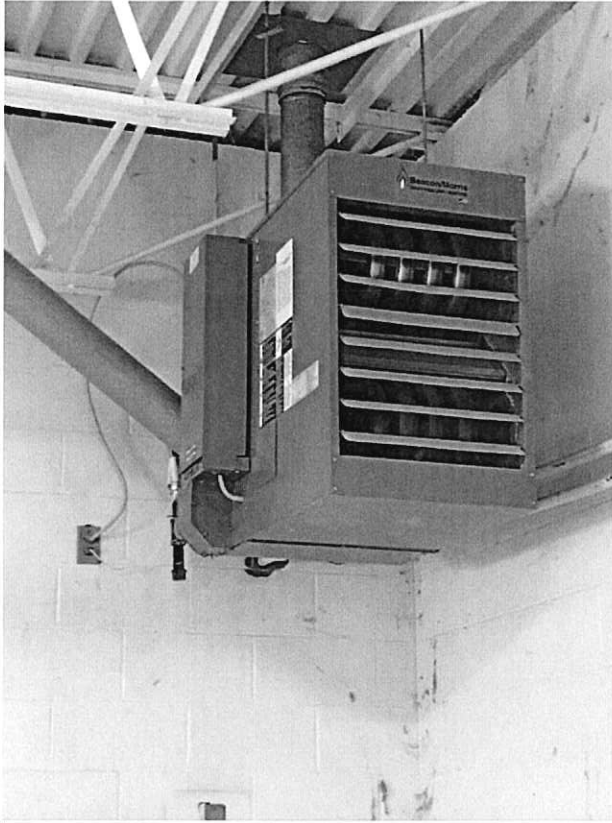
- None at this time.

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations
OPERATIONS REPORT – Boonville

Photos



WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations
OPERATIONS REPORT – Boonville





MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
MICROBIOLOGICAL ANALYSIS REPORT

PUBLIC WATER SYSTEM NAME City of Boonville Water Plant			LABORATORY NAME Boonville Water Plant		LABORATORY TELEPHONE NUMBER WITH AREA CODE 660-882-4021		
STREET ADDRESS 901 Riviera Drive			CERTIFICATION NUMBER 15				
CITY Boonville		ZIP CODE 65233					
COUNTY Cooper		ID NUMBER MO3010089		SAMPLE COLLECTOR NAME OR INITIALS BW/RG			
SAMPLE DATE MO/DAY/YR	SAMPLE TYPE	COLLECTION POINT	SAMPLE LOCATION ID	SAMPLE RESULTS		CHLORINE RESIDUAL (mg/L)	
				TOTAL COLIFORM	FECAL E-COLI	TOTAL	FREE
11/09/2022	R	614 Santa Fe Trail	16	A	A	2.7	x
11/09/2022	R	717 Main St	14	A	A	2.4	x
11/09/2022	R	1121 Main St	13	A	A	2.1	x
11/09/2022	R	2441 Pioneer St	23	A	A	1.9	x
11/09/2022	R	900 Carla Dr	17	A	A	1.9	x
11/23/2022	R	940 Oregon Trail	24	A	A	2.7	x
11/23/2022	R	1550 W Ashley Rd	11	A	A	2.9	x
11/23/2022	R	1016 Hildell Dr	18	A	A	2.4	x
11/23/2022	R	1012 Jefferson Rd	19	A	A	2.5	x
11/23/2022	R	1216 E Morgan St	10	A	A	2.6	x
TOTAL ROUTINE SAMPLE ANALYZED 10			MONITORING VIOLATION ☐ Yes ☒ No			MCL VIOLATION ☐ Yes ☒ No	
TITLE Chief Plant Operator			DATE 11/29/2022				
SIGNATURE 							

INSTRUCTIONS FOR COMPLETING MICROBIOLOGICAL ANALYSIS REPORT

This form must be completed and forwarded to the Missouri Department of Natural Resources, Water Protection Program - Public Drinking Water Branch, P.O. Box 176, Jefferson City, Missouri 65102 as soon as the water system's monthly monitoring is completed, but in no case later than the 10th of the month following the month for which monitoring was done.

1. **Address Block** - Complete the name and address of the public water system. The 7-digit public water system identification number must be entered to account for the samples.
2. **Laboratory Name** - Complete the laboratory name and certification number.
3. **Sample Date** - Enter the date the sample was taken using two digits for the month, day and year.
4. **Collection Point** - Give the address or name of the sample collection point. On repeat samples also indicate if the sample was taken from the upstream, downstream or original location.
5. **Sample Type** - Indicate the type of sample by putting the corresponding letter in the box. There are 4 types of samples as follows:

- R. Routine** - Regular monthly samples.
- P. Repeats** - A series of three or four repeats (four if the water system is only required to take 1 routine per month) must be taken for each sample that tests positive for coliform. All must be taken on the same day, within 24 hours of being notified of the coliform positive sample. One must be taken from the site of the original bad sample, one within five service connections upstream and one five service connections downstream. The fourth, if necessary, may be collected anywhere within the 10 service connections.
- WL. Source/Well: Groundwater systems** that do not provide 4-log treatment must collect a "Source/Well" sample in addition to the Repeat samples. One Source/Well sample is required at each well in service for each total coliform positive routine sample. If the water system is only required to take 1 routine per month, the Source sample can count as a fourth Repeat sample, but must be listed as a Source/Well sample.
- L. Replacement** - All routine and repeat samples not analyzed for various reasons listed below (LA, OUT, CR, BIT, etc.) are invalid and must be replaced with a single sample from the same location within 24 hours of being notified. Any other sample previously submitted but not analyzed should also be replaced.
- S. Special** - Any sample that does not count for the systems monitoring record, such as samples used to check disinfection practices on repairs or new construction.

6. **Sample Location ID** - ID number to identify routine sampling points. Also, used to tie repeat samples to the original positive sample. The ID Number can be up to 10 characters.

7. **Sample Results** - Sample results must be reported in the following fashion:

Code	
P	A sample that is positive for total coliform, fecal coliform or E. coli. The total coliform count may be indicated in lieu of P.
A	A sample where total coliform, fecal coliform or E. coli. are absent.
LA	Sample was not analyzed due to lab accident.
CWO	Confluent bacterial growth without coliform.
TWO	Bacterial growth too numerous to count without coliform.
OUT	Sample was not analyzed because more than 30 hours expired between collection of the sample and receipt for examination.
CR	Sample was not analyzed because the chlorine residual was too high.
QNS	Sample was not analyzed because the quantity of water was insufficient.
INC	Sample was not analyzed due to incomplete or inaccurate information on the sample card.
BTF	Sample was not analyzed because the bottle was too full.
MBN	Sample was not analyzed because the sample bottle was not numbered.
PD	Sample was not analyzed because it was post dated.
BCT	Sample was not analyzed because bottle cap was too tight.
BIT	Sample was not analyzed because bottle was broken in transit.
HSD	Sample was not analyzed because of excessive sediment.
NSC	Samples was not analyzed because of nonstandard container.

8. **Chlorine Residual** - If the sample is from a chlorinated supply, the chlorine residual measured at the sample collection point must be registered.

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 MO3010089		MONTH NOVEMBER			
ADDRESS 901 RIVIERA DRIVE		PHONE (660) 882-4021		2022			
CITY BOONVILLE, MO		ZIP CODE 65233	COUNTY COOPER COUNTY		PLANT Main Plant		
<i>(See instructions on back of this sheet)</i>							
DISTRIBUTION DISINFECTION 1. Number of samples analyzed, A: <u>10</u> 2. Number of samples below 0.2 mg/L, B: <u>0</u> [(A-B)/A] x 100 = C: <u>100</u> % meeting minimum disinfection required. 3. Avg. dsfcnt residual for month: <u>2.39</u> mg/l			TURBIDITY 1. Total number measurements taken monthly, A: <u>159</u> 2. number of measurements below 0.3 NTU, B: <u>159</u> [B/A] x 100 = C: <u>100</u> % meeting turbidity requirements.				
Date	Hours of Operation	Finished Water Temperature (C)	Lowest disinfectant at entrance to distribution system (mg/L) ☐ Free Chlorine ☒ Chloramines	Highest turbidity measurement of the day	Duration disinfectant fell below 0.5 mg/L free Cl2 or 1 mg/L chloramines	Value of turbidity measurements that exceed	
						1 NTU	5 NTU
1	4.25	17	2.53	0.05	0	0	0
2	5.50	17	1.80	0.06	0	0	0
3	4.75	17	2.59	0.05	0	0	0
4	5.00	18	2.27	0.05	0	0	0
5	5.50	17	1.79	0.04	0	0	0
6	4.50	16	2.48	0.04	0	0	0
7	4.50	16	2.41	0.04	0	0	0
8	5.00	16	2.54	0.04	0	0	0
9	5.25	18	2.47	0.05	0	0	0
10	4.75	17	2.24	0.04	0	0	0
11	4.75	16	2.14	0.04	0	0	0
12	4.25	16	2.07	0.04	0	0	0
13	4.50	16	2.05	0.04	0	0	0
14	6.00	15	2.18	0.04	0	0	0
15	5.00	16	2.27	0.05	0	0	0
16	4.50	13	2.27	0.05	0	0	0
17	5.75	13	2.34	0.05	0	0	0
18	4.25	12	2.02	0.05	0	0	0
19	5.00	20	2.19	0.05	0	0	0
20	4.25	10	2.41	0.05	0	0	0
21	5.50	9	2.53	0.05	0	0	0
22	5.00	9	2.61	0.04	0	0	0
23	5.25	8	2.53	0.04	0	0	0
24	4.75	10	2.46	0.04	0	0	0
25	4.25	8	2.22	0.04	0	0	0
26	4.50	7	0.90	0.04	11 minutes	0	0
27	6.00	14	2.05	0.11	0	0	0
28	5.25	10	1.97	0.05	0	0	0
29	5.00	11	2.04	0.04	0	0	0
30	4.75	10	2.05	0.05	0	0	0
31							
Name of Person Preparing Report Todd W. Baslee			Signature of Responsible Official 		DATE 12/8/2022		

MO 780-1904 (12-04)

INSTRUCTIONS: DISINFECTION AND TURBIDITY REPORT FOR SURFACE WATER SYSTEMS < 10,000 POPULATION

1. Please fill out information completely and legibly.

Distribution Disinfection

1. On Line 1., enter the total number of samples from the distribution system that were 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 (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.

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 by the end of the next business day.

INDIVIDUAL FILTER MONITORING & REPORTING

1. Was filter continuously monitored for turbidity and results recorded every 15 minutes?
2. Was there a failure of the continuous turbidity monitoring equipment?

YES
NO

If yes on 2., was the equipment repaired within 5 working days, or 14 days with department approval?

N/A
NO

3. Was any individual filter level >1.0 NTU in two (2) consecutive recording fifteen (15) minutes apart?

{If YES, perform "follow-up actions" no. 1}

4. Was any individual filter level, for three (3) months in a row > 1.0 NTU in two (2) consecutive recordings, fifteen (15) minutes apart?

NO {If YES, perform "follow-up actions" no.2}

5. Was any individual filter turbidity level >2.0 NTU in two (2) consecutive recordings, fifteen (15) minutes apart for two (2) consecutive months?

NO {If YES, perform "follow-up actions" no. 3}

"FOLLOW-UP ACTIONS to PERFORM"

1. Report filter number(s); turbidity measurements which exceed 1 NTU; and date(s) the exceedance(s) occurred and causes if known.
2. Conduct a "Self-Assessment" of the filter(s) within fourteen (14) days of the triggering event. The system must report the date the self-assessment was triggered and the date it was completed.
3. The system must arrange to have a "Comprehensive Performance Evaluation" (CPE) performed not later than sixty (60) days following the triggering event. The CPE must be completed and submitted to the department within 120 following the trigger 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.



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 November 2022							
ADDRESS 901 Riviera Dr		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 (mJ/cm ²)	7.	Number of Off-Specification Events	8.	Total Off-Specification Volume (MG)
	1-Transfer		144.75		28.437		0		16		0.02194
	2-Tower		2.75		0.375		20.06		1		0.125145
9. TOTAL VOLUME OF OFF-SPECIFICATION WATER PRODUCED (MG) [A] 0.147085						10. TOTAL VOLUME OF WATER PRODUCED (MG) [B] 28.812					
11. PERCENT OF OFF-SPECIFICATION WATER PRODUCED ([A]/[B]*100) 0.51%						12. PERCENT OF OFF-SPECIFICATION WATER PRODUCED <5 PERCENT ☒ YES ☐ NO					
13. Of the <u>8</u> sensors, <u>8</u> have been checked for calibration and <u>8</u> were within the acceptable range of tolerance.											
14. The following reactors had a sensor correction factor						Unit		Sensor correction factor			
15. COMMENTS The 16 off-spec events on the transfer reactor are all due to low water level/air in the reactor. When we start the transfer pump, the reactor senses the low water the shuts down the reactor, however there is a thirty-second delay. The 1 off-spec event on the tower reactor is due to the UVT analyzer reading below 87 due to the lamp not being on and warmed up. After it was discovered to have been not running, it was fixed.											
16. NAME OF PERSON PREPARING REPORT Todd Baslee				17. SIGNATURE OF RESPONSIBLE OFFICIAL 				DATE 12/9/2022			

State of Missouri
Department of Natural Resources
National Pollutant Discharge Elimination System (NPDES)
Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
MO0004081	FACA
Monitoring Period	
11/1/22	11/30/22
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	0.539	0.183	Mgal/d
Mon. Location.: End of Pipe	*****:*****	*****:*****	*****:*****		Monthly Avg.:Monitoring Required	Daily Max.:Monitoring Required	
Sample Type: Record							
Frequency: Monthly							
Solids accumulation rate tot dry weight	*****	0.001	0.001	g/m3/d	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	Monthly Avg.:Monitoring Required	Daily Max.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Calculated							
Frequency: Monthly							
Water treatment additives	*****	*****	*****	*****	4.9025	0.2935	ton/mo
Mon. Location.: End of Pipe	*****:*****	*****:*****	*****:*****		Monthly Avg.:Monitoring Required	Daily Max.:Monitoring Required	
Sample Type: Calculated							
Frequency: Monthly							

Comments:
Outfall #1 and #3

Boonville WTP
Boonville
BOONVILLE, MO, Cooper

State of Missouri
Department of Natural Resources
National Pollutant Discharge Elimination System (NPDES)
Discharge Monitoring Report (DMR)

Northeast Regional Office
1709 Prospect Drive
Macon, MO, 63552

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
eSignature Russell Gerling	Submission Date December 9, 2022	User Phone Number (573)476-4395

Work Order Summary

WO Range 10/31/2022 11/29/2022

WO #	WO Title	Status	Start / Due	Completed / Closed	Time on Hold			Costs			
					Type	Category	Hours	Labor	Parts	Invoice	Total
3226747	Winterization Plan for Entire Plant	Closed	11/1/2022 11/6/2022	11/21/2022 11/21/2022	PM	General	00:00	.00	.00	.00	.00
3228699	Replace faulty Air Regulator on Air Line In New Plant Basement	Closed	11/1/2022 11/4/2022	11/1/2022 11/1/2022	WO	Plumbing	00:00	.00	220.00	.00	220.00
3232610	Clean COMPLETE Permanganate Tote Pump	Closed	11/5/2022 11/7/2022	10/5/2022 11/10/2022	PM	Cleaning	00:00	.00	.00	.00	.00
3240760	AWR Safety Meeting	Closed	11/9/2022 11/12/2022	11/8/2022 11/8/2022	PM	Safety	00:00	.00	.00	.00	.00
3242156	Check and Replace Filter as Needed & Check Coils At River Pumphouse	Closed	11/10/2022 11/15/2022	11/14/2022 11/14/2022	PM	HVAC	00:00	.00	.00	.00	.00
3242157	Check HVAC Filter & Coils In Main Plant Replace or Clean	Closed	11/10/2022 11/15/2022	11/10/2022 11/10/2022	PM	HVAC	00:00	.00	.00	.00	.00
3242158	Clean or Replace Lab Air Cleaner Filter Over Lab Desk	Closed	11/10/2022 11/15/2022	11/10/2022 11/10/2022	PM	HVAC	00:00	.00	.00	.00	.00
3242159	Clean or Replace Lab Air Cleaner Filter Over Lab Work Area	Closed	11/10/2022 11/15/2022	11/10/2022 11/10/2022	PM	HVAC	00:00	.00	.00	.00	.00
3242160	Check, Clean or Replace HVAC Filters & Wash Coils on North Unit	Closed	11/10/2022 2/8/2023	11/14/2022 11/14/2022	PM	HVAC	00:00	.00	.00	.00	.00
3242161	Check, Clean or Replace HVAC Filters & Wash Coils on South Unit	Closed	11/10/2022 2/8/2023	11/14/2022 11/14/2022	PM	HVAC	00:00	.00	.00	.00	.00
3243754	Clean UVT Analyzer then Recalibrate	Approved	11/1/2022 2/9/2023		PM	Cleaning	00:00				
3245360	Sensor Check - UV Tower Line	Closed	11/12/2022 2/10/2023	11/2/2022 11/11/2022	PM	General	00:00	.00	.00	.00	.00
3245361	Sensor Check - UV Transfer Line	Closed	11/12/2022 2/10/2023	11/2/2022 11/11/2022	PM	General	00:00	.00	.00	.00	.00
3245933	Remove Ballast in lights in Compressor Room-Install New LED lights	Closed	11/11/2022 11/14/2022	11/11/2022 11/11/2022	WO	Electrical	00:00	.00	.00	.00	.00
3249260	Lubricate Both Aerator Blowers	Closed	11/15/2022 2/13/2023	11/14/2022 11/14/2022	PM	General	00:00	.00	.00	.00	.00
3250248	Chlorine Hoist Monthly Check	Closed	11/15/2022 11/20/2022	11/18/2022 11/18/2022	PM	Safety	00:00	.00	.00	.00	.00

Work Order Summary

WO Range 10/31/2022 11/29/2022

WO #	WO Title	Status	Start / Due	Completed / Closed	Time on Hold			Hours	Costs				Total
					Type	Category	Labor		Parts	Invoice			
3250249	Chlorine Sensor Check - Storage Room	Closed	11/15/2022	11/18/2022		PM	Safety		.00	.00	.00	.00	.00
			11/20/2022	11/18/2022									
3250250	Chlorine Sensor Check - Feed Room	Closed	11/15/2022	11/18/2022		PM	Safety		.00	.00	.00	.00	.00
			11/20/2022	11/18/2022									
									.00	220.00	.00	.00	220.00