

UTILITY COMMITTEE Meeting Notice

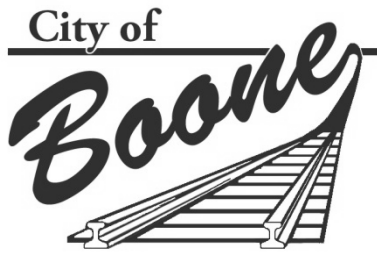
Governing Body: Utility Committee of Boone, Iowa

Date of Meeting: August 8, 2023

Time of Meeting: 4:30 P.M.

Place of Meeting: City Hall Council Chambers

1. Call Meeting to Order.
2. Approve Minutes from the July 11, 2023 Meeting.
3. Discuss High Water Bill. – David and Jean Elsberry.
4. Review Options for Country Club Drive.
5. Discuss Shut Offs for Unpaid Utility Deposits. – Vote.
6. Discuss 2nd Contract Amendment for Fox Strand Regarding UV Project.
7. Review Monthly Water and Wastewater Operations and Maintenance Report for June 2023.
8. Review Boone Wastewater Pretreatment Compliance Inspection Report.
9. Meter Upgrade Report.
 - a. July
10. Stop Box Repair/Shut Off Report.
 - a. July
11. Other Business.
12. Adjourn.



UTILITY COMMITTEE Meeting Notice

Governing Body: Utility Committee of Boone, Iowa

Date of Meeting: July 11, 2023

Time of Meeting: 4:30 P.M.

Place of Meeting: City Hall Council Chambers

1. Call Meeting to Order.

Present: Moorman, Stines, Angstrom

Others present: Skare, Andrews, Turbes, Majors, Montag, Perry Gjersvik, Chad Hall, Barbara McGregor, Residents of County Club Drive

2. Approve Minutes from the June 13, 2023 Meeting.

Stines moved; Angstrom seconded to approve the minutes of the June 13, 2023 Utility Meeting. Ayes: all those in attendance. Nays: none.

3. Boone Laser Wash Request for Relief and Payment Plan for High Water Bill and Meter Test Results.

Andrews presented to the Committee the Boone Laser Wash meter test results; performed at four (4) different flows (low, medium, high and crossover) all of which resulted at approximately 100% accurate results. Chad Hall, owner of Boone Laser Wash, brought in exhibits, receipts, statements, and letters explaining why he thinks the meter failed and corrected itself. The Committee discussed other possible malfunctions, and yearly calibrations and testing of the back flow preventer. Angstrom moved; Stines seconded to deduct \$1500.00 for leak protection and setting up a payment plan with the Water Department for the remaining balance. Ayes: all those in attendance. Nays: none.

4. Request to Discuss Storm Drainage and Sump Pump Collection Lines on Country Club Drive. – Barbara McGregor.

Barbara McGregor and citizens of Country Club Drive presented a request for storm drains to be installed along both sides of the street on County Club Drive as water collects in puddles in front of driveways and in areas where the surface has dropped, cracking the street, and breaking down the curb. McGregor stated that there is a health hazard from stagnant water and people have slipped exiting their vehicles. Jeff Sunstrom presented a few photographs for the Committee to review. Andrews stated he felt the area needed to be reviewed by an engineer as every utility is underground with the sewer running down the middle of the street. The Committee discussed having engineering firm Short Elliott Hendrickson, Inc. review the area and bring back a report to the August 8, 2023 Utility meeting.

5. Review/Approve Options for RAS Pumps Project for Wastewater Plant.

The Committee reviewed two (2) options for the proposed design for the Return Activated Sludge (RAS) Pumps Replacement Project at the Boone Wastewater Treatment Facility. Option one (1) is to replace the three (3) existing pumps with three (3) new 2,500 gpm Dry Pit Submersible/Centrifugal Pumps with an anticipated cost of \$160,000.00. Option two (2) is to replace the three (3) existing pumps with three (3) new Rotary Lobe Pumps for an estimated cost of \$328,000.00. The Committee discussed the two (2) options with Perry Gjersvik from Short Elliott Hendrickson, Inc. Skare advised that option one (1) was within the project budget. Angstrom moved; Stines seconded approve moving forward with option one (1) for three (3) new 2,500 gpm Dry Pit Submersible/Centrifugal Pumps for \$160,000.00. Ayes: all those in attendance. Nays: none.

6. Review of US Water Monthly Report.

The Committee reviewed the US Water Operations and Maintenance Report for May 2023. Skare stated that this is the first report and there will be a report every month.

7. Meter Upgrade Report.

a. June

Andrews reported that in June, staff finished twenty-three (23) meter upgrades with three (3) meters installed for new service.

8. Stop Box Repair/Shut Off Report.

a. June

Vote stated that in June, \$6,907.31 was collected during shut-offs; twenty-nine (29) accounts qualified to be on the shut off list. Five (5) delinquent bills totaling \$1,585.38 were certified June 27, 2023 and if left unpaid, twelve (12) bills totaling \$2, 976.12 are scheduled to be certified on July 31, 2023. Vote also reported that there are one hundred twenty-one (121) stop boxes in need of repair.

9. Other Business.

10. Adjourn.

5:24 p.m.

Kim Majors

To: Waylon Andrews
Subject: RE: Water bill

Sirs,

I would like to discuss my water bill. I was having trouble with my in-line sewer and was trying to flush it out. I put a hose in the floor clean out to flush it. I went back upstairs to flush the toilet and put my tools away, I got distracted when I went outside to put my tools away and forgot about the hose running in the floor clean out. As I found it I immediately called the water department and told them what happened and see if they could tell me what my water bill could possibly be. I understand I ran the water and I am willing to pay for that which is over 1000\$ but I don't think 1400\$ for sewer tax on plain water is reasonable.

I would like to be put on the agenda to discuss issue at your next meeting.

Thank You,
David Elsberry
1710 Carroll St



Building a Better World
for All of Us®

MEMORANDUM

TO: Bill Skare, City of Boone

FROM: Perry Gjersvik, P.E. (IA)

DATE: August 1, 2023

RE: Country Club Drive Storm Drainage, Boone, Iowa
SEH No. 173872 14.00

Residents of the Country Club Drive neighborhood in Boone have asked the City of Boone to investigate potential improvements to the storm drainage in their area. This area has historically experienced frequent issues with standing storm water and flash flooding along the street due to poor drainage and discharge of sump water storm water into the street gutters. The Boone Utility Committee has asked SEH to visit the area and develop potential improvements, along with an Opinion of Probable Cost, to remedy the drainage issues.

The area in question was visited by Waylon Andrews of the City of Boone, Mike Danburg of SEH and me on July 20, 2023. Some of the apparent deficiencies and causes for the ongoing drainage issues noted during the site visit include:

- Much of the existing curbing along both sides of the street, including the cul de sac, to approximately 480 feet from the easternmost end of Country Club Dr, has settled and is tipping away from the street, causing inadequate flow and ponding of stormwater along both sides of the street.
- There are no storm intakes or storm sewers along the entire length of the streets to provide stormwater drainage.
- Sump pumps are discharged into the street gutters along both sides of the street rather than into either a storm sewer or a sump pump discharge piping system.

Photos of the existing conditions of the streets in this area are attached for information.

In order to remedy the drainage issues in this area, all three of the above deficiencies must be corrected by making the following improvements:

1. Remove and replace all curb & gutter along both sides of the streets with the exception of the newer street segment that was constructed with integral curb & gutter, for approximately 480 feet of the easternmost end of Country Club Dr.
2. Install a new storm sewer system in the area consisting of new intakes along both sides of the street at appropriate intervals and new buried storm sewer piping to transport stormwater to the existing storm sewer intake at the westernmost end of County Club Dr.
 - a. An analysis to determine if the existing storm sewer that would be connected into is adequately sized may be necessary to ensure that surcharging of the existing storm sewer will not occur during storm events.
3. Install a new sump pump discharge line along the sides of the street that will not have a new storm sewer piping to collect sump pump discharge.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 5414 NW 88th Street, Suite 140, Johnston, IA 50131-1701

515.608.6000 | 888.908.8166 fax | sehinc.com

SEH is 100% employee-owned | Affirmative Action–Equal Opportunity Employer

A preliminary conceptual layout of the storm sewers, intakes and sump pump discharge lines is attached to this memorandum for information.

Our Opinion of Probable Costs (OPC) to complete the work listed above, including engineering design, bidding and construction services is also attached for information. Improvements to the street pavement other than for stormwater drainage improvements are not included in the OPC. In summary, our OPC for completing the work is as follows:

Estimated Construction Costs:	\$304,250
Construction Contingencies (20%):	\$61,000
Engineering Design, Bidding & Construction Services:	\$55,000
<hr/>	
Total Opinion of Probable Costs:	\$420,250

Attachments

c: Waylon Andrews, City of Boone

\\sp-pz1.sehinc.com\pzprojects1\ae\bl\boone\173872\task 1-gen services\country club dr storm sewer\seh memo-boone country club dr stormwater 8-1-2023.docx

REPLACE CURB & GUTTER FROM
HERE WESTERLY TO PARK AVE

NEW STORM
INTAKES

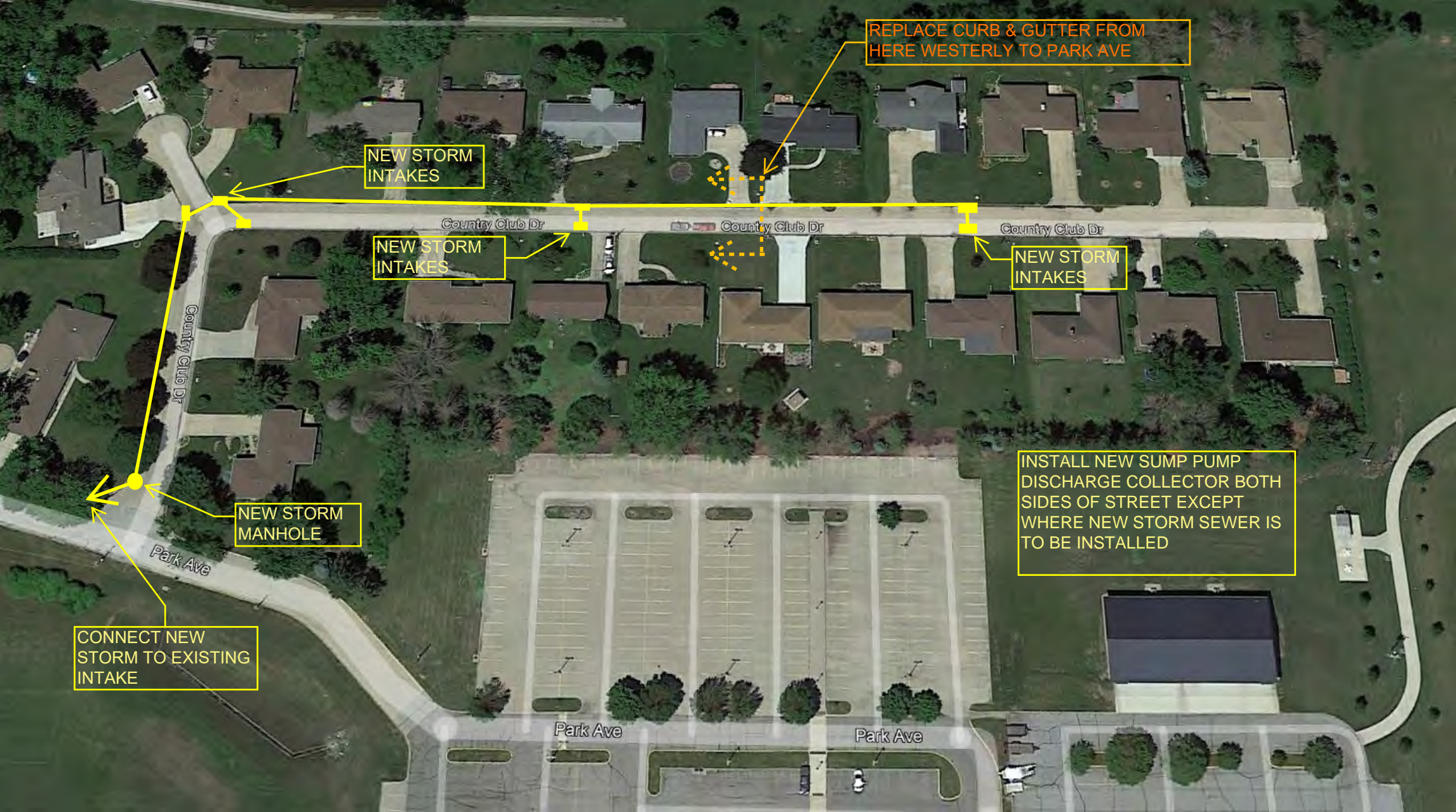
NEW STORM
INTAKES

NEW STORM
INTAKES

NEW STORM
MANHOLE

CONNECT NEW
STORM TO EXISTING
INTAKE

INSTALL NEW SUMP PUMP
DISCHARGE COLLECTOR BOTH
SIDES OF STREET EXCEPT
WHERE NEW STORM SEWER IS
TO BE INSTALLED



ENGINEER'S BUDGETARY OPINION OF PROBABLE COST

Country Club Dr Street Drainage Improvements

City of Boone

SEH Project No. 173872

Date Prepared:

August, 2023



Item #	Description	Unit	Quantity	Unit Price	Extended Price
CONSTRUCTION COSTS					
1	Curb Remove & Replace	LF	1,690.0	\$35.00	\$59,150
2	Storm Sewer, 15"	LF	740.0	\$70.00	\$51,800
3	Storm Sewer, 18"	LF	280.0	\$80.00	\$22,400
4	Storm Intake, SW-501 Single Grate	EA	7.0	\$3,500.00	\$24,500
5	Storm Manhole, SW-401	EA	1.0	\$5,000.00	\$5,000
6	Sump Pump Discharge Collector Piping, PVC, 8"	LF	1,370.0	\$30.00	\$41,100
7	PCC Street Pavement Removal	SY	130.0	\$20.00	\$2,600
8	PCC Full-Depth Patch, 7" Depth	SY	250.0	\$120.00	\$30,000
9	PCC Driveway Pavement Removal	SY	260.0	\$20.00	\$5,200
10	Driveway Full-Depth Patch, 6" Depth	SY	260.0	\$70.00	\$18,200
11	Topsoil Furnish and Spread	CY	350.0	\$20.00	\$7,000
12	Hydro-Seeding with Fertilizer & Mulch	AC	1.0	\$5,000.00	\$5,000
13	Erosion Control	LS	1.0	\$3,000.00	\$3,000
14	Mobilization/Bonds/Insurance (7%)	LS	1.0	\$19,300.00	\$19,300
15	Temporary Traffic Control	LS	1.0	\$5,000.00	\$5,000
16	Construction Survey	LS	1.0	\$5,000.00	\$5,000
Construction Subtotal					\$304,250
				Construction Contingencies	20%
					\$61,000
Total Construction Costs					\$365,250
NON-CONSTRUCTION COSTS					
1	Engineering Design, Bidding, & Construction Services			18%	\$55,000
Total Non-Construction Costs					\$55,000
TOTAL OPINION OF PROBABLE PROJECT COST					\$420,250

Opinions of Probable Costs provided herein are made on the basis of SEH's experience and qualifications and represent SEH's best judgement. However, since SEH has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, SEH cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from Opinions of Probable Costs prepared by SEH.



Typical Subsided
Gutter



Typical Ponding from
Sump Pump Discharge





Typical Sump Sump
Discharge



TRANSMITTAL

FOX Strand
414 South 17th Street, Suite 107
Ames, IA 50010
(P) 515.233.0000
www.strand.com

DATE: May 22, 2023

TO: Mr. William J. Skare, CPM
City Administrator
City of Boone
City Hall, 923 8th Street
Boone, IA-50036

RE: **Task Order 7021.002 Amendment No. 2–Wastewater Disinfection Improvements**
Construction Phase Services
City of Boone, Iowa (City)
FOX Strand PN: 7021.002 (*Original FOX PN: 2065-19A.600*)

DELIVERY: Email: bskare@city.boone.ia.us

ITEMS: Task Order 7021.002 Amendment No. 2–Electronic Signed Copy

COMMENTS:

Dear Mr. Skare:

As discussed during a conference call with the City on May 16, 2023, the City would like FOX Strand to continue holding progress meetings during the late construction, which has gone beyond King Construction’s (Contractor’s) original estimations. In response, Progress Meeting No. 12 has been scheduled for June 13, 2023. Task Order Amendment No. 1 extended FOX Strand’s engineering services an additional 6 months to May 19, 2023, and the attached Task Order Amendment No. 2 extends engineering services another 4 months to September 19, 2023. This anticipates the Contractor obtains Substantial Completion by June 15, 2023, and Final Completion by September 15, 2023.

Additional engineering services include planning and participation in two additional progress meetings (including agenda and minutes); review of additional payment requests; additional site visits; time related to Contractor’s liquidated damages determinations; general project management; and additional part-time Resident Project Representative (RPR) services.

Please note that the hourly estimate for RPR Services in Task Order Amendment No. 1 (\$9,589) was exceeded by \$5,832, with total RPR services for late completion through May 19, 2023, totaling \$15,421. The additional hourly estimate for RPR services for an additional 4 months is \$3,038 for a total hourly estimate of \$18,489.

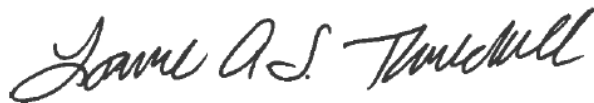
Enclosed is an electronic copy of Task Order 7021.002 Amendment No. 2 for Boone Wastewater Treatment Facility Disinfection construction services.

Once the City has authorized the Task Order Amendment, please return a copy for FOX Strand's records.

Feel free to contact me with any questions.

Sincerely,

FOX STRAND

A handwritten signature in black ink that reads "Laurie A. Twitchell". The signature is written in a cursive, flowing style.

Laurie Twitchell, P.E., BCEE, Project Manager

Enclosures

This is **EXHIBIT K**, consisting of two (2) pages, plus attachments, referred to in and part of the **Master Agreement between Owner and Engineer for Professional Services** dated June 3, 2019.

AMENDMENT TO OWNER-ENGINEER AGREEMENT

Amendment No. 2

1. BACKGROUND DATA:

- a. Effective Date of Owner-Engineer Agreement: June 3, 2019 – Master Agreement
February 17, 2020 – Task Order 2065-19A-2
- b. Owner: City of Boone, Iowa
- c. Engineer: FOX Strand (previously FOX Engineering Associates, Inc.)
- d. Project: Wastewater Disinfection Improvements

2. DESCRIPTION OF MODIFICATIONS:

- a. The Scope of Services currently authorized to be performed by Engineer in accordance with the Agreement and previous amendments, if any, is modified as follows:
 - 1. Task Order 2065-19A-2 is amended to include additional services due to the Contractor’s final construction completion beyond the original completion date as summarized below:
 - a. Additional Services No. 2 - Amendment No. 1 to Construction Phase Services Beyond the Original Date for Final Completion: Provide additional services to accommodate completion of the Contractor’s Work beyond the original date for final completion. The original date for final completion in the Owner’s agreement with the Contractor was November 9, 2022, whereas it is estimated that the Contractor will complete the project approximately 10 months beyond this date. Additional services include Construction Phase services per Exhibit A.1.05 of the Master Agreement, but with the following additions or modifications:
 - A.1.05 Following A1.05.A.6.d. from Task Order 2065-19A-2 Amendment No. 1 insert the following:
 - e. Two additional progress meetings (Progress Meetings No. 12 - 13) are anticipated to be held approximately monthly to bi-monthly.
 - b. Additional Services No. 6 - Amendment No. 1 to Construction Phase Services Beyond the Original Date for Final Completion: Provide additional part-time RPR services to accommodate completion of the Contractor’s Work beyond the original date for final completion. The original date for final completion in the Owner’s agreement with the Contractor is November 9, 2022, whereas the Contractor estimates it will complete the project approximately 10 months beyond this date. Additional services are per A.1.05.2.a. of the Agreement.

- b. For the modifications to engineering services set forth above, Owner shall pay Engineer the following additional compensation in accordance with Exhibit C of the Master Agreement:

Task No.	Description	Basis of Fee	Amount
7021.006 (Existing)	Additional Services No. 1 - Construction Phase Services Beyond the Original Date for Final Completion	Method B. Standard Hourly Rates + Reimbursable Expenses	Increase Hourly Estimate from \$30,618 to \$45,618 (Hourly Not to Exceed)
7021.011 (Existing)	Additional Services No. 6 - RPR Services Beyond the Original Date for Final Completion	Method B. Standard Hourly Rates + Reimbursable Expenses	Increase Hourly Estimate from \$9,589 to \$18,489 (Hourly Estimate)

The total increase of all estimated hourly fees for this Task Order Amendment is \$ 23,900.

- c. The time for rendering services is modified as follows:

All Additional Services under this Task Order are to be completed by September 19, 2023.

The responsibilities of Owner are modified as follows: *(no additional modifications noted)*.

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is May 20, 2023.

OWNER:

City of Boone, Iowa

By: _____

Title: _____

Date
Signed: _____

ENGINEER:

FOX Strand

By: 

Title: Corporate Secretary

Date
Signed: 5/19/2023

Task Order 2065-19A-2 Amendment No. 2 Estimated Breakdown of Additional Services

5/22/2023

Table 1. Additional Construction Phase Services 10 Months Beyond the Original Date for Final Completion

Task (No. 7021.006)	Hours Estimate		Fee Estimate		Total Fee
	Principal	Sr. PM	Principal ⁽¹⁾	Sr. PM ⁽¹⁾	
Project Administration (4 mos.)	13.0	4.0	\$ 3,250	\$ 744	\$ 3,994
Construction Progress Meetings (Agenda, Minutes, Site Visit) (est. 2)	12.0	4.0	\$ 3,000	\$ 744	\$ 3,744
Contractor Pay Request (est. 2)	3.0	4.0	\$ 750	\$ 744	\$ 1,494
Additional site visits (est. 2)	6.0		\$ 1,500	\$ -	\$ 1,500
Part-Time RPR Coordination (4 mos.)	3.0	2.0	\$ 750	\$ 372	\$ 1,122
Contract Amendment	2.0		\$ 500	\$ -	\$ 500
Liquidated Damages & Late Completion-Related Tasks	10.0		\$ 2,500	\$ -	\$ 2,500
	49.0	14.0	\$ 12,250	\$ 2,604	\$ 14,854

(1) Principal hourly rate = \$250/hr and Sr. PM = \$186/hr.

Total Fee for Labor =	\$ 14,854
Total Expenses (Mileage), Contingency =	\$ 146
Total Task Order Amendment No. 2 Fee =	\$ 15,000

Table 2. Additional RPR Services 10 Months Beyond the Original Date for Final Completion

Task (No. 7021.011)	Hours Estimate	Fee Estimate	Total Fee
	RPR	RPR ⁽¹⁾	
Part-Time RPR Through 5/19/23 (Above Hourly Estimate for Task Order Amendment 1)	53.0	\$5,832(2)	\$ 5,832
Part-Time RPR (4 mos.)	28.0	\$ 2,828	\$ 2,828
	81.0	\$ 2,828	\$ 2,828

(1) RPR hourly rate = \$101/hr.

(2) Spent fee includes expenses.

Additional RPR Through 5/19/23	\$ 5,832
Total Labor =	\$ 2,828
Total Expenses (Mileage), Contingency =	\$ 217
Total Task Order Amendment No. 2 Fee =	\$ 8,900

Total Task Order Amendment No. 2 = \$ 23,900

June 2023

City of Boone, Iowa

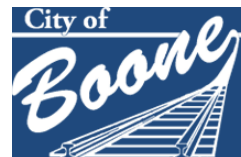
Water & Wastewater Treatment Facilities, Storage, and Lift Stations
Monthly Operations & Maintenance Report

Prepared by:



1406 Central Avenue
Fort Dodge, IA 50501
(515) 269-2338

Prepared For:



923 8th Street
Boone, IA 50036
(515) 432-4211

June 2023

City of Boone
William J. Skare, City Administrator
923 8th Street
Boone, IA 50036

RE: June Monthly Water & Wastewater Operations Report

Dear Mr. Skare:

In accordance with contract requirements, we are pleased to provide the following monthly report for June 2023. Below is a list of the significant events that occurred during the month:

SUBMITTED TO: William K. Skare, City Administrator
Utility Committee and City Council, City of Boone
Aaron Voss, U.S. Water Services Corporation

We appreciate the opportunity to be of service to the City of Boone. We are available to discuss this report, or any other aspect of our operations, at your convenience. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

J.D. Roberts, Water Environment Plant Supervisor
USW Utility Group
(712) 259-0805
JRoberts@USWaterCorp.net

Dave Moore, Water Works Supervisor
USW Utility Group
(515) 230-3130
DMoore@USWaterCorp.net

WATER

Water Treatment Facility

This month the drinking water treatment facility.....

Finished Water Monthly Flows and Hardness			
		June-2022	June-2023
Water	Units		
Average Daily Pumped	gallons	1,875,000	1,990,000
Maximum Daily Pumped	gallons	2,253,000	2,421,000
Minimum Daily Pumped	gallons	1,469,000	1,606,000
Hardness			
Hardness - Avg Raw	grains	21.1	18.4
Hardness - Avg Finish	grains	10.1	9.8
Iron, mg/l			
Avg Raw	mg/L	.02	.01
Avg Finish	mg/L	.01	.01
Fluoride, mg/l			
Avg Raw Fl.	mg/L	.63	.50
Avg Finish Fl.	mg/L	.71	.71

Water Storage

During the month of June, all three water towers were in operation as well as the 2 million gallon reservoir and 100,000 gallon contact basin for a total of 3,700,000 gallons of storage.

Maintenance Report

During the month of June, staff rotated slakers that were in service, Slaker #2 was cleaned and serviced, verified turbidity meters weekly, calibrated turbidity meters, cleaned and verified calibration on CL2 analyzers, mowed grass at Water Plant, Water Towers and Pump Station, filled low spots in both yards, trimmed and cut down trees around lime ponds, mowed around lime ponds, changed oil in blower #2,

sprayed weeds at water towers and plant, mowed well field, painted CO2 probe platform, repaired PLC at Industrial Tower, installed new sample lines on Claricone #2, changed oil in all three high service pumps, installed new fuse/switch panel on dehumidifier #2, installed new front door and serviced electric gates.

Current & Planned Projects

During the month of July we will be replacing dehumidifier filters, replacing Claricone #1 sample lines, cutting and trimming trees, and clean/power wash LP and CO2 tanks and misc.

Health & Safety

There were no safety violations to report for the current month.

The subjects of the monthly safety training were : Climb Into Confined Space Safety, Keep Trouble Out And Let Help In - Access Control, Take A load off – Tips For Safe lifting, Don't Be Shocked By Charged Pipes, Distracted Driving and Know Your Colors and Call Before You Dig.

Regulatory Reports

See attached documents

WASTEWATER

Wastewater Treatment Facility

Wastewater Treatment Facility Flows			
	Plant Influent	Plant Effluent	Units
Total	49.96	•	MGD
Average per day	1.67	•	MGD
Minimum	1.17	•	MGD
Maximum	3.54	•	MGD

Parameter	Wastewater Influent & Effluent Quality							
	Influent		Effluent					
	Daily Ave MG/L	Daily Ave LBS/Day	Daily Max	Permit Daily MG/L Limit	7 Day Max Ave	Permit 7 Day Max Limit	30 Day Average	Permit 30 Day Ave
BOD ₅	169	2058.61	•	•	•	•	•	•
CBOD ₅	•	•	3	•	3	40	3	25
Suspended solids	136	1688	7	•	5.5	45.0	3.9	30
Nitrogen Ammonia	10.8	192	.1	14.4	.1	•	.1 MG/L	1.3 MG/L
Nitrate Nitrogen	•	•	121 LBS/Day	1075 LBS/Day	•	•	•	657 LBS/Day
Dissolved Oxygen	•	•	9.0	>5.0	8.84	•	8.6	>5.0
pH	7.5	•	8.0	6.5 to 9 STD Units	7.94	•	7.9	6.5 to 9 STD Units

ND= No Detection

• = No limit set

Solids Inventory

During the month of June, we hauled 13.4 Tons and pressed a total of 7 days.

Lift Stations

The Lift Station on Airport Road has had problems with Pump 1 not pumping for a while. It is unable to prime or keep a prime when the pump is off. Electric Pump is aware of the issue and will look at it when they do there service agreement.

7-6-23 Electric Pump Lift Stations Annual Service

Generator install

Maintenance Report

6-13-23: Cummins Annual Service on generators UV System still currently being worked on to address problems at startup.

Fifty (50) Preventive Maintenance Work orders Completed

Current & Planned Projects

RAS pumps replacement - (currently in Engineering)

Tuck Pointing (waiting on contractor)

Sand Blasting on North Clarifier (waiting on contractor)

Regulatory Reports

See attached documents

**SURFACE WATER/INFLUENCED GROUNDWATER MONTHLY OPERATION REPORT
IOWA DNR WATER SUPPLY SECTION**

Basic Information

S/EP #: 1

SYSTEM NAME: Boone Water Works

PWSID #: 0819033

MONTH: JUNE

YEAR: 2023

DAY	Pumpage		Operating Hours	Fluoride		Chlorine Residual								CT	Cl ₂ Used
	Raw in 1,000s Gallons Per Day	To System in 1,000s Gallons Per Day		Quantity Used in lbs.	Finished Water (mg/L)	Source/Entry Point (S/EP)				Distribution					
			Number of Tests Taken*			Specify Free (F) or Total (T)	Lowest Measured Residual (mg/L)	Continuous Hours Less Than 0.3 mg/L Free or 1.5 mg/L Total	Number of Tests Taken	Lowest Measured Residual Free (mg/L)	Number With Undetected Residual	Highest Measured Residual Free (mg/L)	Ratio of CT Obtained to CT Required	Chlorine in lbs.	
1	2,129	1,802	19.25	27	0.82	"C"	(F)	2.00	0	1	1.02	0	1.02	11.3	56
2	2,320	1,980	21.00	28	0.82	"C"	(F)	1.94	0	1	1.00	0	1.00	10.0	65
3	2,350	2,014	21.25	26	0.75	"C"	(F)	1.98	0	1	0.98	0	0.98	10.2	63
4	2,374	2,009	21.50	19	0.68	"C"	(F)	2.32	0	1	0.93	0	0.93	11.2	64
5	2,755	2,207	23.50	25	0.65	"C"	(F)	1.99	0	6	0.90	0	1.48	8.6	75
6	2,422	2,102	21.25	25	0.60	"C"	(F)	2.05	0	1	0.95	0	0.95	9.7	68
7	2,357	1,970	20.50	25	0.69	"C"	(F)	2.01	0	1	0.96	0	0.96	10.3	63
8	2,267	1,866	19.50	25	0.71	"C"	(F)	1.97	0	1	0.96	0	0.96	10.5	58
9	2,449	1,957	21.25	28	0.61	"C"	(F)	1.92	0	1	0.91	0	0.91	9.6	67
10	2,410	2,011	21.00	30	0.69	"C"	(F)	1.90	0	1	0.95	0	0.95	9.7	66
11	2,428	2,079	21.25	28	0.64	"C"	(F)	1.92	0	1	0.91	0	0.91	9.7	67
12	2,731	2,333	21.00	36	0.70	"C"	(F)	1.90	0	1	0.89	0	0.89	8.8	88
13	2,676	2,262	23.00	34	0.76	"C"	(F)	1.88	0	6	0.85	0	1.35	9.2	73
14	2,733	2,421	23.50	28	0.71	"C"	(F)	1.94	0	1	0.83	0	0.83	9.4	79
15	2,961	2,393	24.00	34	0.69	"C"	(F)	2.04	0	1	0.83	0	0.83	9.5	85
16	2,332	2,022	20.25	24	0.69	"C"	(F)	2.06	0	1	0.83	0	0.83	12.3	67
17	2,317	1,972	20.00	15	0.73	"C"	(F)	1.86	0	1	0.83	0	0.83	10.8	65
18	2,067	1,722	17.75	26	0.64	"C"	(F)	1.90	0	1	0.83	0	0.83	12.9	59
19	2,283	1,924	19.50	30	0.76	"C"	(F)	1.80	0	1	0.71	0	0.71	11.1	66
20	2,322	1,971	20.00	31	0.73	"C"	(F)	1.90	0	6	0.71	0	1.19	11.4	65
21	2,467	2,092	21.25	30	0.73	"C"	(F)	1.91	0	1	0.75	0	0.75	11.4	65
22	2,394	2,016	20.75	25	0.77	"C"	(F)	1.94	0	1	0.77	0	0.77	11.6	70
23	2,340	1,959	20.25	29	0.72	"C"	(F)	1.98	0	1	0.77	0	0.77	12.5	67
24	1,939	1,606	16.50	26	0.70	"C"	(F)	2.01	0	1	0.77	0	0.77	15.4	54
25	2,008	1,666	17.50	26	0.69	"C"	(F)	1.88	0	1	0.72	0	0.72	14.5	59
26	2,137	1,776	18.50	26	0.72	"C"	(F)	1.86	0	1	0.69	0	0.69	13.6	65
27	2,204	1,821	19.00	30	0.69	"C"	(F)	1.88	0	1	0.74	0	0.74	13.3	62
28	2,385	2,020	20.50	30	0.74	"C"	(F)	1.90	0	1	0.79	0	0.79	12.4	69
29	2,330	1,975	20.00	32	0.73	"C"	(F)	1.90	0	1	0.74	0	0.74	12.6	68
30	2,125	1,752	18.25	30	0.76	"C"	(F)	1.94	0	1	0.72	0	0.72	14.4	65
Total	71,012	59,700	612.75	828						45		0			2,003
Avg	2,367	1,990	20.45	28	0.71										67
Max	2,961	2,421	24.00	36	0.82				0				1.48		88
Min	1,939	1,606	16.50	15	0.60			1.80			0.69			8.6	54

*If continuous monitoring of chlorine is provided, enter "C" in the space provided.

I certify that I am familiar with the information contained in this report and that the information is true, complete, and accurate.

DRC Operator's or Designee's Signature: David Moore
Certificate #: 4108 Grade: IV Date: 7/6/2023

SURFACE WATER/INFLUENCED GROUNDWATER MONTHLY OPERATION REPORT

IOWA DNR WATER SUPPLY SECTION

Turbidity Data Page 1 of 1

S/EP: #1

SYSTEM NAME: Boone Water Works

PWSID #: 0819033

MONTH: JUNE

YEAR: 2023

DAY	Finished Water			Filter Effluent																Raw Water Turbidity (Highest Daily Reading NTU)
	Number of Readings Taken **	Number of Readings >0.3 NTU	Highest Daily Reading (NTU)	#1			#2			#3			#4							
				Highest Consecutive Results >0.5 NTU Anytime After 4 Hours From Start Up or Backwash	Daily Highest (NTU)	# of Consec Results >1.0 NTU	Highest Consecutive Results >0.5 NTU Anytime After 4 Hours From Start Up or Backwash	Daily Highest (NTU)	# of Consec Results >1.0 NTU	Highest Consecutive Results >0.5 NTU Anytime After 4 Hours From Start Up or Backwash	Daily Highest (NTU)	# of Consec Results >1.0 NTU	Highest Consecutive Results >0.5 NTU Anytime After 4 Hours From Start Up or Backwash	Daily Highest (NTU)	# of Consec Results >1.0 NTU					
1	20	0	.01	.02	.02	.02	0	.02	.02	.02	0	.02	.02	.02	0	.01	.01	.02	0	0.06
2	20	0	.02	.02	.02	.02	0	.01	.02	.03	0	.02	.02	.02	0	.02	.02	.02	0	0.06
3	21	0	.02	.02	.03	.03	0	.01	.01	.02	0	.01	.01	.02	0	.02	.01	.02	0	0.07
4	22	0	.02	.03	.03	.03	0	.02	.02	.02	0	.01	.01	.02	0	.01	.01	.02	0	0.08
5	22	0	.02	.02	.02	.02	0	.02	.02	.02	0	.02	.02	.02	0	.01	.01	.03	0	0.07
6	24	0	.02	.01	.01	.02	0	.01	.01	.01	0	.01	.01	.02	0	.02	.02	.02	0	0.06
7	21	0	.02	.02	.02	.02	0	.01	.01	.02	0	.01	.01	.02	0	.01	.01	.02	0	0.07
8	21	0	.02	.02	.02	.03	0	.02	.02	.04	0	.02	.01	.02	0	.02	.01	.02	0	0.06
9	19	0	.02	.02	.02	.02	0	.02	.01	.02	0	.02	.02	.04	0	.01	.01	.02	0	0.06
10	21	0	.02	.02	.02	.02	0	.01	.01	.02	0	.02	.01	.04	0	.02	.02	.02	0	0.06
11	21	0	.02	.02	.02	.04	0	.01	.01	.02	0	.01	.01	.02	0	.01	.01	.02	0	0.05
12	21	0	.02	.02	.02	.03	0	.02	.02	.02	0	.01	.01	.03	0	.01	.01	.02	0	0.06
13	24	0	.01	.02	.02	.02	0	.01	.01	.01	0	.02	.02	.05	0	.01	.01	.01	0	0.07
14	23	0	.02	.02	.02	.02	0	.02	.02	.02	0	.01	.01	.02	0	.02	.02	.02	0	0.06
15	24	0	.01	.01	.01	.01	0	.01	.01	.01	0	.01	.01	.01	0	.01	.01	.01	0	0.11
16	24	0	.02	.04	.04	.04	0	.02	.01	.02	0	.01	.01	.01	0	.01	.01	.02	0	0.08
17	20	0	.02	.04	.04	.04	0	.01	.01	.02	0	.01	.01	.02	0	.01	.01	.02	0	0.07
18	20	0	.02	.02	.01	.02	0	.01	.01	.02	0	.02	.02	.02	0	.01	.01	.03	0	0.08
19	18	0	.02	.01	.01	.03	0	.01	.01	.04	0	.01	.01	.02	0	.02	.02	.02	0	0.07
20	20	0	.02	.03	.03	.03	0	.01	.01	.05	0	.01	.01	.02	0	.01	.01	.04	0	0.07
21	20	0	.02	.02	.02	.03	0	.02	.02	.05	0	.01	.01	.02	0	.01	.01	.02	0	0.08
22	21	0	.02	.02	.01	.02	0	.01	.01	.05	0	.02	.01	.06	0	.01	.01	.03	0	0.07
23	21	0	.02	.01	.01	.02	0	.01	.01	.05	0	.02	.01	.03	0	.02	.02	.04	0	0.06
24	20	0	.01	.02	.02	.02	0	.01	.01	.05	0	.01	.01	.03	0	.01	.01	.03	0	0.06
25	17	0	.02	.03	.03	.03	0	.02	.02	.02	0	.01	.01	.04	0	.01	.01	.02	0	0.07
26	18	0	.02	.01	.01	.02	0	.01	.01	.03	0	.02	.02	.02	0	.01	.01	.05	0	0.06
27	19	0	.02	.01	.01	.02	0	.01	.01	.08	0	.02	.01	.05	0	.02	.02	.05	0	0.07
28	19	0	.02	.03	.03	.03	0	.01	.01	.06	0	.01	.01	.04	0	.01	.01	.04	0	0.06
29	19	0	.02	.03	.03	.03	0	.02	.01	.06	0	.02	.01	.06	0	.01	.01	.02	0	0.06
30	20	0	.01	.01	.01	.02	0	.01	.01	.13	0	.02	.02	.06	0	.02	.01	.04	0	0.06
Total	620	0					0				0				0				0	
Avg																				0.07
Max			.02							.13				.06					.05	0.11
Min																				0.05

**If continuous monitoring of turbidity is provided, measurements must be recorded at equal time intervals at least once every four hours or hourly for plants w/pop. >100,000.

I certify that I am familiar with the information contained in this report and that the information is true, complete, and accurate.

DRC Operator's or Designee's Signature: David Moore
 Certificate #: 4108 Grade: IV Date: 7/6/2023

**SURFACE WATER/INFLUENCED GROUNDWATER MONTHLY OPERATION REPORT
IOWA DNR WATER SUPPLY**

Basic Information

S/EP: #1

System Name: _____ PWSID #: 819033 Month: JUNE Year: 2023

D a y	Operating Hours	Pumpage		Fluoride		Raw Turbidity	Settled Turbidity (individual sedimentation basin)							
		Number of hours the plant operated per day.	Raw in 1,000s Gallons Per Day	To System in 1,000s Gallons Per Day	Quantity Used in lbs. or gal. (circle one)		Finished Water (mg/L)	Highest Daily Reading (NTU)	Highest Daily Reading Sed 1 (NTU)	Highest Daily Reading Sed 2 (NTU)				
1	19.25	2129.00	1802.00	27.00	0.82	0.06	1.27							
2	21.00	2320.00	1980.00	28.00	0.82	0.06	1.20							
3	21.25	2350.00	2014.00	26.00	0.75	0.07	1.29							
4	21.50	2374.00	2009.00	19.00	0.68	0.08	1.22							
5	23.50	2755.00	2207.00	25.00	0.65	0.07	1.06							
6	21.25	2422.00	2102.00	25.00	0.60	0.06	0.87							
7	20.50	2357.00	1970.00	25.00	0.69	0.07	1.65							
8	19.50	2267.00	1866.00	25.00	0.71	0.06	1.53							
9	21.25	2449.00	1957.00	28.00	0.61	0.06	0.71							
10	21.00	2410.00	2011.00	30.00	0.69	0.06	0.43							
11	21.25	2428.00	2079.00	28.00	0.64	0.05	0.91							
12	21.00	2731.00	2333.00	36.00	0.70	0.06	2.46							
13	23.00	2676.00	2262.00	34.00	0.76	0.07	2.28							
14	23.50	2733.00	2421.00	28.00	0.71	0.06	0.97							
15	24.00	2961.00	2393.00	34.00	0.69	0.11	2.69							
16	20.25	2332.00	2022.00	24.00	0.69	0.08	1.20							
17	20.00	2317.00	1972.00	15.00	0.73	0.07	1.10							
18	17.75	2067.00	1722.00	26.00	0.64	0.08	1.61							
19	19.50	2283.00	1924.00	30.00	0.76	0.07	1.02							
20	20.00	2322.00	1971.00	31.00	0.73	0.07	3.21							
21	21.25	2467.00	2092.00	30.00	0.73	0.08	0.63							
22	20.75	2394.00	2016.00	25.00	0.77	0.07	1.24							
23	20.25	2340.00	1959.00	29.00	0.72	0.06	1.45							
24	16.50	1939.00	1606.00	26.00	0.70	0.06	0.95							
25	17.50	2008.00	1666.00	26.00	0.69	0.07	0.79							
26	18.50	2137.00	1776.00	26.00	0.72	0.06	1.76							
27	19.00	2204.00	1821.00	30.00	0.69	0.07	0.49							
28	20.50	2385.00	2020.00	30.00	0.74	0.06	0.65							
29	20.00	2330.00	1975.00	32.00	0.73	0.06	0.65							
30	18.25	2125.00	1752.00	30.00	0.76	0.06	0.32							
Total	613	71,012	59,700	828			0	0	0	0				
Avg	19.77	2,291	1,926	26.71	0.69	0.07	1.24	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Max	24.00	2,961	2,421	36.00	0.82	0.11	3.21	0.0	0.0	0.00	0.00	0.00	0.00	0.00
Min	0.00	0	0	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I certify that I am familiar with the information contained in this report and that the information is true, complete, and accurate.

DRC Operator or Designee's Signature: David Moore

Certificate #: 4108 Grade: IV Date: 7/6/2023

**IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION**

This form is valid 2/1/2023 to 7/31/2024

Facility Name: BOONE CITY OF STP

Permit #: 0819001

Month/Year:

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.

Operator Name:

Certification #:

Phone #:

Lab Cert. #:

Comments:

*Include Comments longer than 1000 characters in email

Signature:

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 known violations.

Permit # 0819001
 Facility Name: BOONE CITY OF STP

Monthly Operation Report
 IOWA DEPARTMENT OF NATURAL RESOURCES
 NPDS - Operation Permit System
 INFLUENT Data

Outfall #: 001
 Month/Year: 6-2023

Mon. Point	RAW WASTE													
	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH	
Parameter	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS	
Units														
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	
Start Date														
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	
No Discharge														
LOQ														
Day: 1	1.829											60	7.6	
2	1.73	115	1659.243									60	7.7	
3	1.586													
4	1.598													
5	1.53			140	1786.428							62	7.6	
6	1.482					28.62	353.7397656			5	61.7994	62	7.5	
7	1.461	132	1608.38568	146	1778.97204			28	346.07664			62	7.5	
8	1.45											60	7.4	
9	1.407	169	1983.11022									62	7.4	
10	1.335													
11	1.392													
12	1.379			185	2127.6591							60	7.5	
13	1.324					32.28	356.4409248					62	7.5	
14	1.254	199	2081.21364	260	2719.1736			32	353.34912	6.1	67.357176	62	7.6	
15	1.311											62	7.5	
16	1.165	211	2050.0971									62	7.5	
17	3.54													
18	2.542													
19	1.971			69	1134.23166							62	7.6	
20	1.791					20	298.7388			18	268.86492	62	7.5	
21	1.646	156	2141.51184	88	1208.03232					2.6	38.836044	64	7.6	
22	1.566											62	7.5	
23	1.461	194	2363.83956									64	7.7	
24	2.237													
25	1.848													
26	1.708			102	1452.96144							62	7.6	
27	1.639					21.86	298.8100236			21	287.05446	64	7.5	
28	1.588	115	1523.0508	98	1297.90416					3.4	46.475484	64	7.4	
29	1.568											64	7.9	
30	1.625	230	3117.075									64	7.3	
31														
Total	49.961	1521	18527.52684	1088	13505.36232	102.76	1307.729514	99	1255.34514	17.1	214.468104	1368	165.9	
Monthly Avg.	1.665366667	169	2058.614093	136	1688.17029	25.69	326.9323785	24.75	313.836285	4.275	53.617026	62.18181818	7.540909091	
Daily Max.	3.54	230	3117.075	260	2719.1736	32.28	356.4409248	32	353.34912	6.1	67.357176	64	7.9	
Daily Min.	1.165	115	1523.0508	69	1134.23166	20	298.7388	18	268.86492	2.6	38.836044	60	7.3	
Max. 7/Avg.	1.995142857	184	2095.80447	222.5	2423.41635	32.28	356.4409248	32	353.34912	6.1	67.357176	63.2	7.58	

Permit # 0819001
 Facility Name: BOONE CITY OF STP

Monthly Operation Report
 IOWA DEPARTMENT OF NATURAL RESOURCES
 NPDS - Operation Permit System
 EFFLUENT Data

Outfall #: 001
 Month/Year: 6-2023

Mon. Point Parameter	EFFLUENT PRIOR TO DISINFECTION												EFFLUENT AFTER DISINFECTION							
	CBOD5		TSS		NH3-N		NO3-N		TOT-N		PHOS		TOX CER		TOX PM		TEMP	DO	PH	E. COLI
Units	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	NO TOXICITY	NO TOXICITY	FAHRENHEIT	MGL	STD UNITS	#/100 ML	
Frequency	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS		
Start Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	8/1/2023
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	7/31/2024
No Discharge																				06 - NOT REQ / MP
LOG																				
Day: 1						0.1	1.525386										62	8.9	8	
2	3	43.2846				0.1	1.44282										62	8.6	7.8	
3																				
4																				
5				2	25.5204												64	8.9	7.9	
6						0.1	1.235988		11.3	139.666644		3.2	39.551616	1	1		64	8.8	7.9	
7	3	36.55422		4	48.73896		0.1	1.218474									64	9	7.9	
8						0.1	1.2093										62	8.7	7.9	
9	3	35.20314				0.1	1.173438										62	8.8	7.8	
10																				
11																				
12				7	80.50602												62	8.9	7.9	
13						0.1	1.104216	121	13.1	144.652296		3.6	39.751776				64	8.8	7.9	
14	3	31.37508		4	41.83344		0.1	1.045836									62	8.3	7.9	
15						0.1	1.093374											64	8.5	7.9
16	3	29.1483				0.1	0.97161											66	8.3	7.9
17																				
18																				
19				5	82.1907													64	8.4	7.9
20						0.1	1.493694		6.1	91.115334		1.1	16.430634				64	8.5	7.9	
21	3	41.18292		3	41.18292		0.1	1.372764									66	8.5	8	
22						0.1	1.306044											66	8.4	8
23	3	36.55422				0.1	1.218474											66	8.6	8
24																				
25																				
26				3	42.73416													64	8.5	7.9
27						0.1	1.366926		9.59	131.0882034		2	27.33852				66	8.7	7.9	
28	3	39.73176		3	39.73176		0.1	1.324392										64	8.2	7.9
29						0.1	1.306044											66	8.3	7.8
30	3	40.6575				0.1	1.35525											66	8.2	7.8
31																				
Total	27	333.69174		31	402.43836		1.8	22.76403	121	40.09	506.5224774		9.9	123.072546	1	1	1410	188.8	173.8	
Monthly Avg	3	37.07696		3.875	50.304795		0.1	1.264668333	121	10.0225	126.6306194		2.475	30.7681365	1	1	64.09090909	8.581818182	7.9	
Daily Max	3	43.2846		7	82.1907		0.1	1.525386	121	13.1	144.652296		3.6	39.751776	1	1	66	9	8	
Daily Min	3	29.1483		2	25.5204		0.1	0.97161	121	6.1	91.115334		1.1	16.430634	1	1	62	8.2	7.8	
Max. 7/Avg	3	39.91941		5.5	61.66681		0.1	1.355667	121	13.1	144.652296		3.6	39.751776	1	1	65.2	8.4	7.94	



1406 Central Avenue
Fort Dodge, Iowa 50501
515-269-2338

www.USWUtilityGroup.com



August 2, 2023

MAYOR JOHN SLIGHT
CITY OF BOONE
923 8TH ST
BOONE IA 50036

SUBJECT: Boone Wastewater Pretreatment Compliance Inspection
NPDES Permit No. 08-19-0-01

Dear Mayor Slight and City Council Members:

Enclosed is the report of the recent inspection of the City of Boone's Industrial Pretreatment Program conducted by Janet Gastineau of the Field Office #5 staff.

We believe you will find the report self-explanatory. The City of Boone appears to have a very effective and well-managed pretreatment program. The cooperation and assistance provided by Mr. Roberts during the inspection was appreciated; he was well prepared and records were in order. The City is encouraged to address the recommendations identified in the conclusion of the report.

You may contact Ms. Gastineau (515/250-4291 or janet.gastineau@dnr.iowa.gov) or this office with any questions or comments.

Sincerely,

A handwritten signature in blue ink that reads 'Ted Petersen'. The signature is written in a cursive style.

Digitally signed by Ted Petersen
Date: 2023.08.03 07:54:57 -05'00'

Ted Petersen
Supervisor, Field Office #5

c: Ben Hucka, DNR NPDES Section (w/encl.)
JD Roberts, Boone Wastewater Supt. (w/encl. via email)

On June 13, 2023, I conducted a Pretreatment Compliance Inspection (PCI) of the City of Boone’s Industrial Pretreatment Program. JD Roberts, Boone Pretreatment Coordinator/Wastewater Superintendent, participated in the audit. The review period covered by this audit was April 2021 through June 2023. The enclosed PCI checklist, an interview with pertinent staff, and a file review were conducted as part of the inspection.

PRETREATMENT PROGRAM:

Other than a change in staffing, no modifications to the Pretreatment Program have occurred since the 2020 audit and the significant industrial user (SIU) base remains the same.

CONTROL MECHANISM EVALUATION:

The City has identified three SIUs that are permitted and inspected as required by the program. Permits are expected to be renewed effective January 1, 2026.

INDUSTRIAL USER INSPECTIONS:

At a minimum, the City conducts annual inspections of the SIUs. The City utilizes a checklist during the inspection and the inspection reports reviewed during the file review contained the necessary information.

ENFORCEMENT AND COMPLIANCE:

Compliance determinations appeared to be conducted appropriately. Enforcement action following a violation was timely and conducted in accordance with the Enforcement Response Plan. It was recommended that the letters be dated in addition to the handwritten delivered date.

CONCLUSION:

The City continues to implement an effective Industrial Pretreatment Program. Addressing the following items will help the City maintain an effective and compliant program:

1. Conduct an Industrial Waste Survey.
2. Require Significant Industrial Users to develop Slug Discharge Control Plans.
3. Maintain a copy of the current permit renewal application in the file for each facility.
4. Include a date on NOVs and other enforcement action letters.
5. Continue training additional staff on the implementation of the Industrial Pretreatment Program.
6. Ensure the annual POTW budget is adequate for implementation of the Industrial Pretreatment Program.

AUTHENTICATION	
<p>INSPECTOR: Janet Gastineau, Environmental Specialist Senior</p>  <p style="font-size: small;">Digitally signed by Janet A. Gastineau Date: 2023.08.02 08:16:32 -05'00'</p>	<p>DATE: 7/31/2023</p>
<p>REVIEWER: Bryan Bunton, Environmental Specialist Senior</p>  <p style="font-size: small;">Digitally signed by Bryan Bunton Date: 2023.08.02 15:38:18 -05'00'</p>	<p>DATE: 8/1/2023</p>

PCI: City of Boone Pretreatment Compliance Inspection

Date(s): 6/13/2023

FY 2023

POTW:	CITY OF BOONE	Date of last PCI/Audit:
Address:	923 EIGHTH STREET P.O. Box 550 BOONE IOWA 50036	6/22/2020 4/5-6/2021 by EPA
Contact:	JOHN "JD" ROBERTS	EPA No.: IA0058076
Title:	WASTEWATER SUPERINTENDENT	State NPDES Permit No.:
Phone:	712-259-0805	08-19-0-01 Expiration Date: 7/31/2024

Participants

POTW: John "JD" Roberts, Superintendent	Inspector: Janet Gastineau, Iowa DNR FO 5
Period covered by this PCI/Audit: April 1, 2021 through May 31, 2023	

POTW Information

Total for ALL Treatment Plants (MGD)			
Design Daily Ave. 7.0 AWW 2.1 ADW 15.1 MWW	Actual Daily Ave. 1.696	Design Peak: 19.41	% Industrial Flow: 5%
Number of Plants: 1	% Combined Sewers: NONE	Type of Treatment at Principal Plant: EXTND. AERATION ACTIVATED SLUDGE (VLR)	
Sludge Disposal Method: LAND APPLICATION & SANITARY DISPOSAL PROJECT (BOONE CO. LANDFILL)	Quantity (dry/tons/Y): NO SLUDGE DISPOSAL IN 2023 AND PLANNING TO DISPOSE OF AT THE LANDFILL WHERE IT WILL BE USED FOR DAILY COVER. IN 2022, 199.7 DRY TONS WERE LAND APPLIED. IN 2021, 213.5 DRY TONS WERE LAND APPLIED.		Receiving Stream: HONEY CREEK TO DES MOINES RIVER

PART I: PROGRAM BACKGROUND INFORMATION

I.A. Approved Modifications to the Original Program

1.

Date of last NPDES permit modification: 2/1/2023	Date of original Program approval:	10/16/96
	Date NPDES Permit originally modified to require implementation [PTIM]:	10/16/95

2. *Approved Pretreatment Program modifications:*

REQUIRED MODIFICATIONS	APPROVAL DATE	OTHER APPROVED MODIFICATIONS	APPROVAL DATE
PIRT SUO Revisions	10/16/96		
List of SIUs [403.8(f)(6)]	10/16/96		
Enforcement Response Plan	10/16/96		
DSS SUO Revisions	10/16/96		
LOCAL LIMITS	4/24/16		
STREAMLINING RULE	4/24/16		

3. *Is the POTW presently working on any program modifications?* NO

4. *Does the POTW have any program modifications currently being reviewed by the Approval Authority?*
NO

I.B. Approved Program Contents

5. *Authority to enforce Pretreatment Standards contained in:*

CODE OF ORDINANCES CH 96 – USE OF PUBLIC SEWERS; A COPY WAS AVAILABLE AT THE TIME OF THIS INSPECTION.

6. *Date enacted or adopted:* UPDATED IN OCTOBER 2015.

7. *Approved Control Mechanism:* PERMITS, AS SPECIFIED IN THE ORDINANCE.

8. *What is the frequency required by the approved program/modifications for:*

Activity	Non-categorical SIUs	Categorical SIUs*
POTW sampling of:	ANNUAL	ANNUAL
POTW inspection of:	ANNUAL	ANNUAL
SIU self-monitoring:	SET BY CITY	SET BY CITY
SIU reporting:	SEMIANNUAL	SEMIANNUAL

* For Categorical pollutants; at this time all SIU are non-categorical

9. *What types of enforcement options are available through the approved program:*

Y	Notice of Violation (NOV)
Y	Administrative Order (AO)
Y	Show Cause Hearing
Y	Establishment of Compliance Schedules
Y	Revocation of Permit
Y	Injunctive Relief
Y	Fines; Maximum \$1000/day/violation
Y	Criminal Penalties
Y	Termination of Service
Y	Cease & Desist Orders
Y	Emergency Suspensions

9. *COMMENTS:* NON-CATEGORICALS REPORT MONTHLY, UNLESS BATCH DISCHARGE. BOONE SLF LEACHATE IS HAULED TO THE POTW, AND SAMPLED BY THE TREATMENT PLANT PERSONNEL EVERY 20,000 GALLONS FOR BOD, TSS, AMMONIA-NITROGEN AND PH. A CONSULTANT FOR THE SLF SAMPLES AND REPORTS A FULL SCAN OF ORGANICS ONCE EACH YEAR AND HEAVY METALS TWICE EACH YEAR (EXCEPT LEAD WHICH IS ONCE EACH YEAR). CITY STAFF OBSERVES FACILITY SAMPLING ONCE PER YEAR. AGCERTAIN CHECKS PH MORE FREQUENTLY BECAUSE IT IS OFTEN HIGHER THAN PERMIT LIMITS. THE METRO PARK WEST LANDFILL IS NO LONGER USING BOONE POTW FOR LEACHATE DISPOSAL.

PART II: INTERVIEW QUESTIONS

II.A. Legal Authority and Jurisdiction

11. *Have any Pretreatment modifications been made to the Sewer Use Ordinance since the last PCI/Audit that have not been approved by the Approval Authority.* NO

12. *List by name and location any SIUs that discharge to the POTW from outlying jurisdictions.*
 BOONE CO. SANITARY LANDFILL, WHICH IS LOCATED OUTSIDE THE BOONE CORPORATE BOUNDRY, HAULS LEACHATE FROM THEIR STORAGE FACILITIES.

Indicate which of the above are not covered by a contract/agreement requiring them to abide by the POTW's legal authority. NONE

13. *Does the POTW have the authority to seek fines up to \$1000 per day? [403.8(f)(1)(vi)]*
 YES

14. *If the POTW has not yet developed an Enforcement Response Plan when does the POTW feel it will complete this requirement?* NA

15. *COMMENTS:* NONE

II. B. Control Mechanism

16. *General Information:*

Type: PERMITS	Issued to Noncategorical SIUs? [DSS: 403.8(f)(2)(i)] YES
Duration: 5 YEARS	

17. *Do all SIUs have current (unexpired) control mechanisms? {NOCM} YES, THEY WILL EXPIRE 12/31/2025*

18. *List by name those that do not and indicate which ones have not had a current control mechanism for 180 days or more. {RNC/SNC} NA*

II.C. Hauled Wastes

19. *Does the POTW accept hauled waste? (If "no," go to question 25)* YES

a. if so describe (include approx. no. of loads per month):

DUNCAN HEATING & PLUMBING HAULS APPROXIMATELY 4 LOADS OF SEPTAGE ANNUALLY. WHEN HAULING, APPROXIMATELY 1500 TO 1800 GALLONS ARE HAULED PER DAY FOR A TOTAL OF 3000 TO 4000 GALLONS PER EVENT. NO MORE THAN 40,000 GALLONS OF SLF LEACHATE ARE HAULED TO THE POTW EACH MONTH FROM THE BOONE COUNTY LANDFILL. BOONE SDP PERMIT CONTAINS MONITORING ONLY AND NO NUMERICAL LIMITS.

b. How does the POTW ensure that it does not accept hazardous waste?

CERTIFICATION OF WASTE AND SOURCE INFORMATION ARE COLLECTED. SLF LEACHATE IS TESTED FOR BOD5, TSS, PH, AND AMMONIA NITROGEN EVERY 20,000 GALLONS HAULED, FOR METALS TWICE PER YEAR, AND PRIORITY POLLUTANTS ANNUALLY.

20. Does the POTW have a control mechanism for regulating waste haulers, and if so describe.
SEPTAGE HAULERS ARE REQUIRED TO HAVE ANNUAL PERMIT AND MAINTAIN LOG SHEETS. THE SLF IS A PERMITTED SIU.
21. Does the POTW have a designated discharge point (or points) for waste haulers? [DSS: 403.5(b)(8)]
Describe: YES. A RECEIVING STATION ON A CONCRETE PAD AT THE FRONT OF THE PLANT, PRIOR TO SCREENING.
22. Are all applicable Categorical standards and Local Limits applied to IUs whose wastes are hauled to the POTW? YES.
23. Describe the method used to apply local limits to hauled waste.
PERMITS ARE USED.
24. COMMENTS: RECREATIONAL VEHICLES CAN USE THE DUMP STATION FOR NO CHARGE, BUT THEY RARELY DO. NO SANITARY WASTE HAS BEEN HAULED TO THE POTW SINCE MARCH 2022.

II.D. Industrial User Characterization

25. How often does the POTW update its Industrial Waste Survey (IWS) to identify new SIUs or changes to wastewater discharges? THE CITY OF BOONE IS SMALL ENOUGH THAT THEY ARE GENERALLY AWARE WHEN A NEW INDUSTRY MOVES TO TOWN. A FORMAL IWS WAS INITIATED IN 2013 AND COMPLETED BY FEBRUARY 26, 2014. MR. ROBERTS RELIES ON THE CITY'S CONSULTING ENGINEER FOR COMMUNICATION OF NEW OR CHANGING INDUSTRIES OR INDUSTRIES CONTACT HIM DIRECTLY.

When was the last formal update: 2014

26. What is the POTW's current industrial base?

Current	Industrial User Type	Last Reported
0	Categorical SIUs {CIUS}	1
3	Non-Categorical SIUs	4
3	Total all SIUs {SIUS}	5

II.E. Local Limits

27. Does the POTW have numerical limits for metals in its NPDES permit? If so list the metals and the limits (or attach list). NO

28. Have there been any numerical NPDES permit violations in the last 12 months? NO

a. Were any of the numerical NPDES violations, identified above, a result of interference or pass through? NA

1. Was the interference traceable to an industrial user? NA

2. Was action taken that led to elimination within 90 days of the interference or pass through? {SNC} NA

3. Was the responsible industry placed on an enforceable compliance schedule within 90 days of discovery? {SNC} If not, why? NA

29. How many times per year does the POTW regularly sample its PRINCIPAL plant for the following?

Parameter	Influent	Effluent	Sludge
Metals	0	0	4
Toxic Organics	0	0*	0
Biomonitoring		1	
TCLP			1

*Conducted with NPDES Permit Renewal Application

30. List below the numerical value for the local limits derived by technical analysis. If a technical analysis was performed but the limit not adopted enter DNA in the block. (Values assumed to be mg/l unless otherwise noted). {EVLL} {ADLL} TAKEN FROM CHAPTER 96.10

POLLUTANT	DAILY MAX	POLLUTANT	DAILY MAX
ARSENIC	.01457	LEAD	.01973
CADMIUM	.00137	MERCURY	.00155
CHROMIUM	.06111	NICKEL	.15987
COPPER	.05000	SILVER	.01520
CYANIDE	.01677	ZINC	.30000
MOLYBDENUM	.17129	PHENOL	.50000
SELENIUM	.01000	PETROLEUM O&G	100
BOD5	228	TSS	257
AMMONIA-N	34		

31. *Are the POTW's BOD and TSS limits technically derived (ie. based on plant capacity)?*
 YES
32. *Are BOD and TSS violations treated as violations of technically based local limits?*
 YES
33. *If there is more than one treatment plant, were the local limits established specifically for each plant?*
 NA
34. *Has the POTW made any changes to its Local Limits which have not been approved, and if so provide details. [403.18]* NO
35. *Has the POTW granted any Net/Gross allowances under 403.15?* NO

36. *COMMENTS:*
 THE LOCAL LIMITS ARE IMPOSED AT THE PLANT HEADWORKS, THUS SOME COMPANIES ARE ALLOCATED HIGHER LIMITS THAN THE LOCAL LIMITS, IF PERMITTED BY THE CITY.

THE ABOVE LOCAL LIMITS TABLE IDENTIFIES THE VALUES INCLUDED IN CHAPTER 96 OF THE CITY CODE.

WHEN PERMITTING AN SIU WITH CONCENTRATIONS GREATER THAN THOSE SPECIFIED IN THE CITY CODE, A DETERMINATION MUST BE MADE AND DOCUMENTED TO DETAIL THAT THE LIMITS WILL NOT CAUSE THE MAXIMUM ALLOWABLE HEADWORKS LOADING TO BE EXCEEDED.

II.F. Standards and Requirements for Industrial Users

37. *Does the POTW compare local limits against federal Categorical standards and apply the most stringent standards to Categorical IUs? [403.4]* YES.
38. *Has the POTW notified its IUs of possible RCRA obligations? [40 CFR 403.8(f)(2)]* YES. DURING INITIAL PERMITTING.
39. *Does the POTW allow Categorical users to use Solvent Management Plans/certification or surrogate test procedures to meet TTO requirements?* NA BASED ON THE CURRENT INDUSTRIAL BASE.

II.G. POTW Compliance Monitoring and Inspections

40. *What is the current frequency for:*

Activity	Non-categorical SIUs	Categorical SIUs*
POTW sampling of:	1/Y	1/Y
POTW inspection of:	1/Y	1/Y
SIU self-monitoring:	2/W	1/M
SIU reporting:	1/M	1/M

* For Categorical pollutants

41. *List exceptions:*

BOONE CO. SLF LEACHATE IS HAULED TO THE POTW. THE CITY SAMPLES EVERY 20,000 GALLONS FOR BOD, COD, AMMONIA, TSS AND PH. A CONSULTANT SAMPLES THE LEACHATE SEMI-ANNUALLY FOR METALS AND ANNUALLY FOR ORGANICS. THE CITY OBSERVES THE SAMPLING EVENT AT LEAST ANNUALLY.

42. *List those SIUs that were not sampled by the POTW within the last 12 months.* [DSS: 403.8(f)(2)(v)]

NONE

43. *List those SIUs that were not inspected within the last 12 months.* [DSS: 403.8(f)(2)(v)]

NONE

44. *How many industries were neither sampled nor inspected within the last 12 months.* [DSS: 403.8(f)(2)(v)]

{NOIN}{RNC/SNC} NONE

45. *Does the POTW sample its SIUs for all regulated pollutants at least once annually?* [403.8(f)(2)(v)]

HAS NOT SINCE US WATER BECAME THE CONTRACT OPERATORS BUT THE POTW WILL.

46. *Sample/Analysis Procedures:*

Chain-of-Custody always used? YES	Sampling method, metals: TIME COMPOSITE; GRAB COMPOSITE FOR BATCH DISCHARGE
Ability to sample on short notice? YES	Sampling method, CN: NA
In-house analysis of toxic pollutants: NONE	Sampling method, O&G: GRAB
Do in-house analytical methods conform to 40 CFR part 136? YES	

47. *How does the POTW document its industrial user inspections?* CHECKLIST, REPORT

48. *Does the POTW evaluate all SIUs to determine the need for a slug discharge/spill control plan?* [DSS: 403.8(f)(2)(v)] YES.

a. *Describe the method used by the POTW to evaluate the need for a slug control plan.*

THE NEED IS EVALUATED DURING ANNUAL INSPECTION BY VISUAL INSPECTION TO DETERMINE SPILL POTENTIAL AND ADEQUACY OF CONTAINMENT. PROLIANT PROVIDED A SPILL (SPCC) PLAN AND SPECIALTY LEATHERS PROVIDED A SLUG CONTROL PLAN. BOTH WOULD HAVE TO PUMP SPILLED CONTENTS TO THE SEWER.

II.H. IU Self Monitoring and Reporting

49. *Are all Categorical IUs required to self-monitor for all pollutants regulated by the respective Categorical standard at least twice per year?* [403.12(e)] YES, 1/MONTH.
50. *Were any Baseline Monitoring Reports or 90-day Compliance Reports due within the past 12 months? If so, from whom? Were the reports submitted?* NO
51. *Are IUs required to report spills, slug discharges, etc. to the POTW?* [403.12(f)] YES
52. *Are IUs required to report violations within 24 hours of knowledge of the violation?* [403.12(g)(2)] YES, BUT SIU TEND TO WAIT TO REPORT ON THE MONTHLY OPERATION REPORTS. MR. ROBERTS IS WORKING WITH SIU TO IMPROVE 24 HOUR REPORTING.
53. *Are IUs required to resample and submit results within 30 days following a violation as per 403.12(g)(2)?* YES; IN THE CASE OF AGCERTAIN, PH MUST BE SAMPLED DAILY.

II.I. Data Management

54. *Are files/records computerized?* YES
- a. *Does the POTW use EPA's PCME software package?* NO; MICROSOFT EXCEL AND HACH WIMS IN USE.
55. *Are all records maintained for at least 3 years?* [403.12(o)] YES
56. *Are program records available to the public as required by 40 CFR 403.14(b)?* YES
57. *Does the POTW have provisions to address confidential business information?* [403.14(a)] MR. ROBERTS IS NOT AWARE OF ANY PROVISIONS.
58. *How is compliance status calculated? Describe the procedure used in determining Significant Noncompliance (eg. are mo. avg. violations considered as well as daily max?).*
THE CITY ORDINANCE HAS COPIED THE PROVISIONS OF 40 CFR 403.8(f)(2)(viii).

II.J. Program Resources

59. What percent of the Pretreatment Coordinator's time is spent on pretreatment? 15-20%
60. What computer programs does the POTW use for:

Wordprocessing:	WORD 2007
Spreadsheet:	EXCEL 2007
Database:	EXCEL 2007
Data Managements:	HACH WATER INFORMATION MANAGEMENT

61. *Does the POTW believe its annual budget adequate for implementation?* YES, BUT AS MR. ROBERTS CONTINUES TO LEARN THE PRETREATMENT THERE MAY BE A GREATER NEED FOR ADJUSTMENTS.

a. *If not, is the level of money available for pretreatment less than that in the approved program or approved modification?*

II.K. Special Questions

62. *Are there any issues that the POTW would like to discuss?* NOTHING AT THIS TIME.

PART III: FILE AND RECORDS REVIEW

Following is a table containing the POTW's Significant Industrial User inventory regulated by its Pretreatment Program. Please verify that all information in the table is correct and current. For those industries no longer regulated draw a line through the entry. Add all new industries and provide the information sought by the table. Below is a guide to the information sought by the table and suggested abbreviations.

INDUSTRY:

Provide the name of each industrial user regulated under the pretreatment program.

CAT STND:

Provide the categorical standard code number. For example, industries subject to the Metal Finishing regulation should be designated "433." For noncategorical industries indicate "NA" in this column.

REG PROCESS:

Indicate what process the industry performs to qualify for inclusion in the pretreatment program. For example, if an industry is subject to Metal Finishing regulations because it performs zinc and chromium plating indicate with "ZnCrPL" or a similar abbreviation.

TMT: If the facility treats its wastestream(s) indicate "Y." If no treatment is provided indicate "N."

TYPE:

Indicate the type of pretreatment system (if applicable) the industry has. Suggested abbreviations: "precip" for precipitation/clarification; "precip/flt" for precipitation followed by filtration; "DAF" for dissolved air flotation; etc.

REG FLOW:

Provide the industry's average daily flow for its regulated processes in gallons per day. The abbreviation "K" stands for 1000.

TOT FLOW: Provide the average daily total plant flow in gallons per day.

CWF:

Indicate if the industry uses the Combined Wastestream Formula to determine compliance with categorical standards. "Y" = yes, "N" = no.

COMPLIANCE STATUS FOR THE 6 MO PERIOD ENDING:

For the six month periods listed, indicate if the industry's compliance status. Use the following abbreviations:

- C In compliance with all standards; no violations.
- I Infrequent noncompliance with discharge standards: the facility had some violations but not severe enough to be considered in significant noncompliance.
- SNC,S In significant noncompliance with discharge standards.
- SNC,R In significant noncompliance with reporting requirements: the industry failed by greater than 30 days to submit reports as required.
- SNC,M In significant noncompliance with self monitoring requirements: the industry did not properly report its compliance status on its self monitoring report.
- SNC,C Failure to meet a compliance schedule milestone by 90 days.

LAST INSPECTION: Date of the last inspection performed by the POTW.

SECTION VII: SIGNIFICANT INDUSTRIAL USERS

BOONE, IOWA

Industry Name	Cat Stnd	Reg Process	T M T	Type	Reg Flow	Total Flow	C W F	Compliance Status for Six Month Period Ending:				Last Inspection
								DEC 21	JUNE 22	DEC 22	JUNE 23	
BOONE COUNTY LANDFILL	NA	LEACHATE	N		10K	10K	NA	C	C	C	C	10/11/2022
PROLIANT/BIOLOGICS	NA	PROTIEN PROD.	Y	Ph ADJ	100K	100K	NA	C	I	C	C	10/24/2022
AG CERTAIN INDUSTRIAL INC.	NA	GLYCERINE REF.	N		65,000	20,000	NA	I	I	I	I	10/12/2022

III.B. Significant Industrial User Compliance Evaluation

63. From the above list of industries, how many are in Significant Noncompliance (SNC) with either discharge standards or reporting requirements based on the most recent six-month reporting period?
 {PSNC} NONE

64. List by name, those industries currently on a compliance schedule. Complete the table below. NONE

Industry Name	Date Schedule Issued	Compliance Deadline	How Administered*

*eg. Administrative Order, Permit, etc.

65. List those industries last published in the newspaper for noncompliance and provide the date (or attach a copy of the public notice). NONE

66. If an industry has been deleted from the list of Significant Industrial Users list by name below and provide the reason. SPECIALTY LEATHER PROCESSORS CLOSED THEIR INDUSTRY MARCH 1, 2022. METRO PARK WEST LANDFILL DID NOT RENEW THEIR PERMIT WITH THE CITY AS THEY ARE NO LONGER HAULING TO BOONE POTW.

67. For those industries in SNC within the last 12 months complete the following table for all written enforcement actions. NA

IU Name	Violation	Date of POTW knowledge	Date of Action	Enforcement Action	ERP required action

68. Provide the total number of NOVs, Administrative actions, Judicial referrals, and criminal prosecutions that occurred in the last twelve months. {FENF} {JUDI}

SEVEN NOTICES OF VIOLATION WERE ISSUED TO AG CERTAIN IN 2022, AND FIVE NOVs WERE ISSUED TO AG CERTAIN IN 2021. EACH NOV RESULTED IN \$1000 FINE AND \$3000 FINE WAS IMPOSED IN DECEMBER 2022. VIOLATIONS WERE ISSUED FOR FLOW MONITORING, BOD, TRC, TSS, CHLORIDE, AND PH. AGCERTAIN ALSO PAID HIGH SURCHARGE FEES AND RECEIVED LOWER THAN USUAL MONTHLY CREDITS FROM FLOWS NOT INTRODUCED TO THE SANITARY SEWER IN 2021 AND 2022.

69. Were all actions taken by the POTW within 30 days of knowledge of a violation? {RNC/SNC}
 YES

70. Did all industries in SNC either return to compliance within 90 days, receive escalated enforcement action by the POTW within 90 days, or become placed on an enforceable compliance schedule within 90 days (of knowledge by the POTW) of the violation? {RNC/SNC} NA

III.C. Control Mechanism Evaluation

71A. *Do the POTWs control mechanisms:*

Permittee: AGCERTAIN

REQUIRED [DSS: 403.8(f)(1)(iii)]		SUGGESTED PROVISIONS	
Specify duration (no > 5 yrs.):	Y	Cite the POTW's legal authority:	Y
Contain the correct discharge limits:	Y	Identify TTO alternatives, if applicable:	NA
Specify sample type for IU self-monitoring:	Y	Require notification within 24 hrs of a violation:	Y*
Adequately identify sampling location:	Y	Require resample/report in 30 days of violation:	Y*
Specify sampling frequency:	Y	Specify right of entry:	Y*
State applicability of civil or criminal penalties:	Y	Reserve right to revoke permit:	Y*
Stipulate reporting frequency:	Y	Specify immediate slug load notification:	Y*
Properly require records retention:	Y*	Require submission of all sampling results:	Y*
Specify limited transferability:	Y		

*BY ORDINANCE (96.39); ORDINANCE ATTACHED TO PERMIT.

THE PERMIT WAS ISSUED FOR A PERIOD FROM JANUARY 1, 2021 – DECEMBER 31, 2025, WHICH IS AN IMPROVEMENT SINCE THE PREVIOUS AUDIT, WHICH EXCEEDED 5 YEARS.

Result of this review from the last PCI/audit: OK

71B. *Do the POTWs control mechanisms:*

Permittee: PROLIANT BIOLOGICS

REQUIRED [DSS: 403.8(f)(1)(iii)]		SUGGESTED PROVISIONS	
Specify duration (no > 5 yrs.):	Y	Cite the POTW's legal authority:	Y
Contain the correct discharge limits:	Y	Identify TTO alternatives, if applicable:	NA
Specify sample type for IU self-monitoring:	Y	Require notification within 24 hrs of a violation:	Y*
Adequately identify sampling location:	Y	Require resample/report in 30 days of violation:	Y*
Specify sampling frequency:	Y	Specify right of entry:	Y*
State applicability of civil or criminal penalties:	Y	Reserve right to revoke permit:	Y*
Stipulate reporting frequency:	Y	Specify immediate slug load notification:	Y*
Properly require records retention:	Y*	Require submission of all sampling results:	Y*
Specify limited transferability:	Y		

*BY ORDINANCE (96.39); ORDINANCE ATTACHED TO PERMIT.

Result of this review from the last PCI/audit: OK

III.D. Industrial Inspection Evaluation

72A. Do the Industrial Inspection reports contain:

AGCERTAIN

Name of Company contact:	Y	Evaluation of IU's monitoring procedures:	Y
Date of inspection:	Y	Verification of wastewater flow rates:	Y
Time of inspection:	Y	Determination of applicability of the CWF:	NA
Description of manufacturing process:	Y	Description of the chemical storage area:	Y
Description of treatment process, if any:	Y	Identification of potential spill conditions:	Y
Evaluation of IU's monitoring methods:	Y		
Verification of production rates that would affect production based standard:			NA

72B. Do the Industrial Inspection reports contain:

PROLIANT BIOLOGICS

Name of Company contact:	Y	Evaluation of IU's monitoring procedures:	Y
Date of inspection:	Y	Verification of wastewater flow rates:	Y
Time of inspection:	Y	Determination of applicability of the CWF:	NA
Description of manufacturing process:	Y	Description of the chemical storage area:	Y
Description of treatment process, if any:	Y	Identification of potential spill conditions:	Y
Evaluation of IU's monitoring methods:	Y		
Verification of production rates that would affect production based standard:			NA

III.E. Slug Discharge Control Procedures

73. If the POTW has required the submittal of a Slug Control Plan does it contain: [DSS: 403.8(f)(2)(v)]
NA

74. *COMMENTS:* ACCORDING TO THE 2022 INDUSTRIAL USE INSPECTION CHECKLISTS FOR THE THREE SIU, THEY ARE NOT REQUIRED TO IMPLEMENT A SLUG DISCHARGE CONTROL PLAN.

III.F. Industrial User File Review Checklists

Following are worksheets to aid in the assessment of the nature of the oversight activities and compliance status of the POTW's Significant Industrial Users. When reviewing SIU files priority should be placed on Categorical industries that either have a history of violations or that appear to be in compliance but have not installed that prescribed BAT technology to consistently meet discharge limits. While only three pages are provided the reviewer is encouraged to copy and add additional review pages for larger POTWs.
NO CATEGORICAL INDUSTRIES USING THE BOONE POTW SANITARY SEWER AT THIS TIME.

UPGRADE PROGRAM		July 2023				
DATE	ADDRESS	ORIG INSTALL	Note	Low	Med	High
7/3/2023	1208 Aldrich	01/07/99				
7/3/2023	409 College	10/20/2011				
7/3/2023	921 Mamie	01/15/08				
7/3/2023	115 Destiny Dr	New Service				
7/5/2023	1522 Crawford	New Service				
7/5/2023	711 Story	reinstall				
7/7/2023	1215 Southview Ct	New Service				
7/7/2023	1211 Southview Ct	New Service				
7/11/2023	1901 1st St lot 64	4/5/2009				
7/11/2023	1901 1st St lot 27	4/5/2009				
7/25/2023	921 20th	5/10/2007				
7/26/2023	327 S Cedar	3/1/1999				
7/26/2023	411 Fremont	8/8/2012				
7/27/2023	421 W 7th	4/10/2000				
7/27/2023	304 S Tama	New Service				
7/27/2023	1223 Southview Ct	New Service				
7/31/2023	715 Keeler	New Service				
Locates						
7/1 to 8/1		176				

Curb Box Repair Update for 08/08/2023 – as of 08/03/2023

\$3145.25 was collected during shut offs. 20 accounts qualified to be on the list.

117 stop boxes are in need of repair.

5 delinquent bills in the amount of \$1447.95 certified on August 1st. If left unpaid, 9 delinquent bills totaling \$2417.15 are scheduled to certify on August 28th.

Lesli Vote
Utility Billing Supervisor