

Stuttgart Municipal Water Works

612 S College – PO Box 130 – Stuttgart Arkansas 72160

Phone 870-673-3246 Fax 870-673-8783

Tommy Lawson
Manager

**PROPOSED AMENDMENTS TO CORRECTIVE ACTIVE PLAN
FOR
STUTT GART MUNICIPAL SEWERAGE TREATMENT SYSTEM
NPDES PERMIT NO. AR0034380, AFIN 01-00214**

**RESULTING FROM CERTIFIED LETTER
RECEIVED FROM ADEQ DATED JANUARY 5, 2018
OVER MR. ALAN ANDERSON'S SIGNATURE
AS ENFORCEMENT ANALYST, OFFICE OF WATER QUALITY
DATE OF MARCH 28, 2017**

Since the original Corrective Action Plan was approved, 22 additional test violations have occurred.

Chlorine Residual Total	0.5 mg/L	11/30/17	
	0.1 mg/L	12/31/17	
	0.25 mg/L	11/30/18	
Fecal Chloroform	1475	6/30/18	30 day avg.
	1359	7/31/19	30 day avg.
	2420	5/31/18	7 day avg.
	>2420	6/30/18	7 day avg.
	>2420	7/31/18	7 day avg.
	>2420	11/30/18	7 day avg.
	2016	5/31/19	7 day avg.
Nitrogen, Ammonia Total	5.37	7/31/18	7 day avg.
PH Min. Std. Units	5.21	1/31/19	
	5.87	4/30/19	
	5.83	5/31/19	
Total Suspended Solids	65.7	5/31/18	7 day avg.
	40.4	11/30/18	7 day avg.
	30.87	1/31/19	7 day avg.
	37.13	5/31/19	7 day avg.
Total Suspended Solids	20.97	5/31/18	MO Avg.
	19.0	11/30/18	MO Avg.

SUSPECTED CAUSES FOR TEST FAILURES:

The 7-day carbonaceous BOD₅ test failed by 1.3 mg/L for a violation from the 15 mg/L limit. This could have been caused by the two final clarifiers being out of service and high flow condition.

The high chlorine residual could have been caused by high chlorine feed rates when Fecal Chloroforms were high with not enough Sulfur Dioxide feed allowing excess chlorine to be discharged.

The high Fecal Coliforms could have been caused by a lower feed rate of chlorine than needed.

Excess Ammonia Nitrogen may have been caused by excess sludge escaping the inoperative final clarifiers in high flow condition.

The one dissolved oxygen test failure showing 5.9 mg/L as opposed to 6 mg/L limit by high flow condition in the plant.

The low pH may have been the result of excess Sulfur Dioxide which mixed with water forms sulfuric acid.

The suspended solids high are probably caused by pumping back from EQ Basin with dead sludge.

ACTIONS TAKEN:

1. The tertiary pumps and filters are back in service.
2. The two worn out pumps in the primary pumping station have been replaced with new pumps.
3. The new gear drives are on hand and ready to be installed. The problem has been because of excess rains the clay soils are soft, and required cranes to remove old bridges and gear drives on top of the 70-foot final clarifiers and lift new drives and bridges back in place created a safety issue with crane owners who were unwilling to risk operators' and personnel's lives. Now in midsummer we hope some hot dry days will evaporate the soil moisture so cranes can be used to set bridges and gear drives, then the necessary work can be done to get both final clarifiers back in service.
4. The new parts and controls have been installed in the chlorinators and they are working satisfactorily.

17. The February 1, 2019, final compliance date has passed without compliance. The City Council has passed the necessary ordinance to purchase a sludge dewatering machine and the Municipal Water Works now has the machine on order. We are told the delivery date is 16 weeks out and delivery of the dewatering machine will be about January 15, 2020. Therefore, we ask for a final compliance date to be October 20, 2020. We hope to be completed with the CAP work and be able to submit documents to confirm completion by the above final compliance date.

Sincerely yours,
City of Stuttgart

A handwritten signature in cursive script that reads "David Earney". The signature is written in black ink and is positioned above the printed name.

David Earney, Mayor

AN ORDINANCE FOR THE RIGHT TO PURCHASE A STUTTGART WASTEWATER LAGOON SLUDGE REMOVAL SYSTEM, TO WAIVE COMPETITIVE BIDDING, AND DECLARING AN EMERGENCY

WHEREAS, the City of Stuttgart Water Department is in need of a way to remove sludge from the wastewater lagoon in compliance with Arkansas State laws; and

WHEREAS, the City of Stuttgart Water Department desires the right to purchase a Wastewater Lagoon Sludge Removal System at a cost of \$214,000.00 plus tax; and

WHEREAS, §14-58-303 Arkansas Statutes Annotated requires that the governing body by ordinance may waive the requirements of competitive bidding in exceptional situations where this procedure is determined not feasible or practical or as provided under §14-58-104, provides for the Mayor to make a determination as to whether it is impractical to invite competitive bidding and requires confirmation by the City Council;

NOW THEREFORE, BE IT ORDAINED BY THE City Council of the City of Stuttgart, Arkansas:

Section 1. That the City of Stuttgart Water Department Manager is hereby authorized to purchase said machinery.


Section 2. That no funding is appropriated by this Ordinance. Funding in the amount of \$214,000.00 plus tax will be from the Water Department of the City of Stuttgart.

Section 3. That the City makes a finding that an exceptional circumstance exists making competitive bidding neither practicable or feasible, and that the requirements of competitive bidding should be waived pursuant to §14-58-303(b)(2)(B) Arkansas Statutes Annotated. Section 4. That the cost-efficient and reliable provision of wastewater service is important to the health, safety and welfare of the citizens of Stuttgart, and the City should act as quickly as possible to install, setup and commission the necessary equipment for the operation and management of the City's wastewater facilities. Furthermore, said equipment is required by law. Therefore, an emergency is declared to exist and this Ordinance shall be in full force and effect, immediately upon its passage, approval, and publication as required by law.

PASSED AND APPROVED this 10 day of August, 2019.

ATTEST:


BECKY BURGESS, CITY CLERK


HONORABLE DAVID EARNEY, MAYOR

Ordinance prepared by
M. Elizabeth Skinner, City Attorney.

STUTTGART MUNICIPAL WATER WORKS

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STUTTGART, ARKANSAS 72160-0130

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A D E Q

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