



CITY OF HOT SPRINGS

Utilities Department

780 Adams Street

Hot Springs, Arkansas 71901

February 14, 2023

VIA Email

Leslie Allen-Daniel
Enforcement Analyst – Water Division
Arkansas Energy & Environment – Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

**RE: City of Hot Springs Utilities
Permit No. AR0033880 / AFIN 26-00145 / CAO LIS 22-007
Manhole 1750, Gulpha Creek and Spencer Bay - Amended**

Dear Ms. Allen-Daniel,

The following components are a brief synopsis of progress regarding the CAO with regards to SSOs at Manhole 1750 and affecting water quality in Gulpha Creek and Spencer Bay.

Hawkins-Weir Engineers, Inc. has the contract for the Spring Street Collection System Improvements project. The project is funded by the 2020 Wastewater Bond. There is no change to their schedule.

Spring Street Collection System Improvements – Hawkins-Weir Engineers

Item No.	Begin	End	Description
1	3/22/22	Complete	Design Phase Services Complete 11/4/2022
2	3/30/22	Complete	Survey – Completed on October 28, 2022
3	TBD	TBD	Advertising / Bidding <i>Note: This project will be advertised and bid after the WW Treatment Plant, Gulpha Pump Station, Gulpha Force Main and Lower Gulpha Interceptor projects are bid. Depending on available remaining funds, the Spring Street project may be constructed in phases.</i>
4	9/8/22	Ongoing	Permitting <ul style="list-style-type: none">National Park Service approval received October 25, 2022.ADH Approval received November 10, 2022ARDOT Approval – ongoing
5	TBD	TBD	Construction Services

The RJN Group, Inc. has the contract for the Lower Gulpha Gravity Interceptor from Spring Street to the Gulpha Pump Station. The project is funded by the 2020 Wastewater Bond. Below is their updated schedule.

Lower Gulpha Interceptor – RJN Group

Item No.	Begin	End	Description
1	03/22/22	09/16/22	Conceptual Design Report Submitted
2	03/22/22	09/16/22	30% Plan Submittal
3	03/22/22	01/20/23	Conceptual Design Report Final
4	03/22/22	01/20/23	60% Plan Submittal
5	01/21/23	06/16/23	90% Plan Submittal (pending easement acquisition)

Sub Consultants

5	03/22/22	Ongoing	Crist Survey - Crist to deliver additional control points. Preparing to begin easement documents.
6	03/22/22	Ongoing	Ace Pipe Multi-Sensor Inspection - Completed field work and submitted summary documentation. RJN in process of reviewing data.
7	03/22/22	Ongoing	Eco Environmental - Completed USFWS IPAC and correspondence with USFWS Bat Biologist for tree cutting dates. Also completed the request for comments letter to SHPO. Awaiting design progression.
8	04/29/22	Ongoing	Grubbs Geotechnical - Field work on initial 14 holes is complete. RJN to finalize alignment and determine where the next 11 investigations will be scheduled.

Crist Engineers, Inc. has the contract for the Gulpha Pump Station Improvements. The project is funded by the 2020 Wastewater Bond. No schedule changes.

Gulpha Pump Station Improvements – Crist Engineers

Item No.	Begin	End	Description
1	03/22/22	Ongoing	Engagement of professional services with Crist Engineers
		07/1/2022	Conceptual Design Phase
		09/1/2022	60% Design Phase
		01/1/2023	90% Design Phase
		03/1/2023	100% Design Phase
2	03/22/22	04/8/22	On site survey on the pump station site, planimetrics, surface features, and contour development
3	03/22/22	Ongoing	Commenced initial hydraulic evaluation of pump alternatives for pump station site. Acceptable pump manufacturers are Cornell, Fairbanks and Flygt.
4	03/22/22	Ongoing	Design Phase Services – Meeting next week to coordinate with Gulpha Force Main Consulting Engineer, Hanson & McLaughlin, LLC
5	03/1/23	05/1/23	Bidding and Negotiation Services
6	05/1/23	09/1/24	Construction Phase Services

Hanson & McLaughlin, LLC is working on the Gulpha Force Main from the Gulpha Pump Station to the Davidson Drive Wastewater Treatment Plant. The project will be bid this year. The project is funded by the 2020 Wastewater Bond. The 36" force main has been downsized to a 30" forcemain for wet weather flow. Dry weather flow will be carried by a new 18" force main, which will be the next phase. Changes to schedule noted below.

Gulpha Force Main – Hanson McLaughlin

Item No.	Begin	End	Description
1	3/15/22	3/31/2024	Gulpha 30-Inch Force Main contract signed.
2	3/15/22	Complete	Surveying.
3	3/15/22	Ongoing	Geotechnical engineering.
4	4/8/22	Ongoing	Design Process.
5	4/8/22	Ongoing	Project Manual (specifications) preparation.
6	4/15/22	Complete	30% Plan Submittal.
7	6/1/22	Complete	60% Plan Submittal.
8	10/1/22	03/31/23	100% Plan Submittal (relative to easement routes).
9	1/1/23	05/31/23	Bid Phase/Procurement Services.
10	5/1/23	03/31/24	Construction Phase Services.

There are three SSOs reported in January for Manhole 1750 affecting the Gulpha Creek-Spencer Bay area (see data on attached page).

Should you need further information, please contact me at (501)651-7730 or by email at mledbetter@cityhs.net.

Sincerely,



Monty Ledbetter
Utilities Director

Attachment: January Lab results for MH 1750 SSO's

cc: **City of Hot Springs** - Bill Burrough, City Manager; Denny McPhate, Deputy City Manager; Harold Mauldin, Wastewater Facilities Operations Manager; Todd Piller, Capital Project Manager;
Consultants - Karl Hanson, Hanson McLaughlin; Chris Leathers, RJN Group; Craig Johnson, Crist Engineers; Elizabeth Heiles, Hawkins-Weir

Manhole 1750

117 Catherine Heights Road

On November 18, 2022 DEQ provided a response accepting Hot Springs Utilities Revised Bacteriological Sampling and Communications Plan for SSO's. The plan states that the Water Quality Assessment testing and Fecal Coliforms are no longer needed. The plan also aligns with the contact periods as depicted in Rule 2.507 for acceptable E.Coli numbers. **Acceptable E.Coli cfu limits: October 1 through April 30 <630 cfu**

May 1 through September 30 <126 cfu

Manhole 1750 Sanitary Sewer Overflows for December 2022

Overflow Date: 01/02/2023 – 01/06/2023

Approximately 1,521,000 Gallons discharge to Gulpha Creek / Rainfall Event

Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread

Overflow Date: 01/24/2023 – 01/27/2023

Approximately 1,008,000 Gallons discharge to Gulpha Creek / Rainfall Event

Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread

Overflow Date: 01/28/2023 - 1/05/2023

Approximately 2,986,440 Gallons discharge to Gulpha Creek / Rainfall Event

Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread
Lime. CodeRed issued

Lab results for December, 2022 - Manhole 1750 SSO's

Overflow Date: 01/02/2023 – 01/06/2023

Sample Date: 01/06/2023

Site No.	E. coli (cfu)
1	67.7

Site No.	E. coli (cfu)	<i>This test result is below EPA recommended 630 cfu's per 100mls at designated Site 1. This meets the requirements of the revised procedure for SSO's. No further testing is required.</i>
2	NA	
3	NA	
4	NA	
5	NA	

Overflow Date: 01/24/2023 – 01/27/2023

Sample Date: 01/27/2023

Site No.	E. coli (cfu)
1	52.9

Site No.	E. coli (cfu)	<i>This test result is below EPA recommended 630 cfu's per 100mls at designated Site 1. This meets the requirements of the revised procedure for SSO's. No further testing is required.</i>
2	NA	
3	NA	
4	NA	
5	NA	

Overflow Date: 01/28/2023 – 02/05/2023

Sample Date: 02/01/2023

Site No.	E. coli (cfu)
1	>2419.6

Sample Date: 02/06/2023

Site No.	E. coli (cfu)
2	53.8
3	60.2
4	18.1
5	54.6

Sample Date: 02/07/2023

Site No.	E. coli (cfu)
2	25.6
3	88.2
4	16.8
5	36.8

Monthly Average for E. coli: 847.00 cfu/100ml



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VIA Email

Leslie Allen-Daniel
Enforcement Analyst – Water Division
Arkansas Energy & Environment – Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

**RE: City of Hot Springs Utilities
Permit No. AR0033880 / AFIN 26-00145
Progress Report – Hot Springs Creek Pump Station**

Dear Ms. Allen-Daniel,

The Hot Springs Board of Directors approved procurement of new pumps and the rebuild of screens for the Hot Springs Creek Pump Station. We are still evaluating odor control systems.

Two January SSOs occurred from one rain event for manholes 1865 and 1866, located near the Hot Springs Creek Pump Station. See attached E. coli data.

Should you have any questions, please contact me at mledbetter@cityhs.net.

Sincerely,

Monty Ledbetter
Utilities Director

cc: **City of Hot Springs** - Bill Burrough, City Manager; Denny McPhate, Deputy City Manager; Harold Mauldin, Wastewater Facilities Operations Manager; Todd Piller, Capital Project Manager;
Consultants - Craig Johnson, Crist
Arkansas Energy & Environment Division of Environmental Quality – Alan York, Associate Director
