



# CITY OF HOT SPRINGS

Utilities Department

780 Adams Street

Hot Springs, Arkansas 71901

December 14, 2022

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. Below is their updated 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"> <li>National Park Service approval received October 25, 2022.</li> <li>ADH Approval received November 10, 2022</li> <li>ARDOT Approval – ongoing</li> </ul>
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	3/22/22	9/16/22	Conceptual Design Report Submitted
2	3/22/22	9/16/22	30% Plan Submittal
3	3/22/22	1/20/23	Conceptual Design Report Final
4	3/22/22	1/20/23	60% Plan Submittal
<b>Sub Consultants</b>			
5	3/22/22	Ongoing	Crist Survey - Crist to deliver additional control points. Preparing to begin easement documents.
6	3/22/22	Ongoing	Ace Pipe Multi-Sensor Inspection - Completed field work and submitted summary documentation. RJN in process of reviewing data.
7	3/22/22	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	4/29/22	Ongoing	Grubbs Geotechnical - Field work on initial 13 holes are complete. RJN to finalize alignment and determine where the next 12 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 from last month.

### Gulpha Pump Station Improvements – Crist Engineers

Item No.	Begin	End	Description
1	3/22/22	Ongoing	Engagement of professional services with Crist Engineers
		7/1/2022	Conceptual Design Phase
		9/1/2022	60% Design Phase
		1/1/2023	90% Design Phase
		3/1/2023	100% Design Phase
2	3/22/22	4/8/22	On site survey on the pump station site, planimetrics, surface features, and contour development
3	3/22/22	Ongoing	Commenced initial hydraulic evaluation of pump alternatives for pump station site. Acceptable pump manufacturers are Cornell, Fairbanks and Flygt.
4	3/22/22	Ongoing	Design Phase Services – Meeting next week to coordinate with Gulpha Force Main Consulting Engineer, Hanson & McLaughlin, LLC
5	3/1/23	5/1/23	Bidding and Negotiation Services
6	5/1/23	9/1/24	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. No other changes to their schedule.

#### Gulpha Force Main – Hanson McLaughlin

Item No.	Begin	End	Description
1	3/15/22	12/31/23	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	12/31/23	100% Plan Submittal (relative to easement routes).
9	1/1/23	4/31/23	Bid Phase/Procurement Services.
10	5/1/23	12/31/23	Construction Phase Services.

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

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

Sincerely,



Monty Ledbetter  
Utilities Director

Attachment: 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

Acceptable E.Coli cfu limits:     October 1 through April 30 <630 cfu  
   May 1 through September 30 <126 cfu

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## Manhole 1750 Sanitary Sewer Overflows for November 2022

Overflow Date: 11/21/2022

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

Overflow Date: 11/24/2022 – 11/27/2022

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

Overflow Date: 11/27/2022 – 11/28/2022

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

## Lab results for November Manhole 1750 SSO's

### Overflow Date: 11/21/2022

Sample Date: 11/22/2022

Site No.	Fecal Coliforms	<i>E. coli</i>
1	56.25	62
2	62.5	62.4
3	1362.5	2419.6

Sample Date: 11/23/2022

2	12.5	
3	362.5	
4	62.5	
5	6.25	

Sample Date: 11/29/2022

2	112.5	60.2
3	181.25	248.1
4	225	203.5
5	18.75	27.2

### Overflow Date:

### 11/24/2022 - 22/26/2022

Sample Date: 11/26/2022

Site No.	Fecal Coliforms	<i>E. coli</i>
1	NA	178.5

### Overflow Date:

### 11/27/2022 - 11/28/2022

Sample Date: 11/28/2022

Site No.	Fecal Coliforms	<i>E. coli</i>
1	NA	125.9

*Note: The Fecal Coliform results were run obtained prior to receipt of the DEQ notice accepting our revised Bacteriological Sampling and Communications Plan for SSO's.*

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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,

Our engineers have prepared a procurement package for pumps replacements for bidding and purchase around the first part of 2023.

Odor control is still a concern at the pump station. We are evaluating odor control systems. We plan to make our selection around January 2023. Another improvement at the station for early next year is upgrading the automatic rake system to make the station more efficient.

There are no November SSOs to report for manholes 12241, 1865, 1866 and the Hot Springs Creek Pump Station. Should you have any questions, please contact me at [mledbetter@cityhs.net](mailto: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

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