



# CITY OF HOT SPRINGS

Utilities Department

780 Adams Street

Hot Springs, Arkansas 71901

April 11, 2024

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**

Dear Ms. Allen-Daniel,

The following update is a brief synopsis of the progress regarding the CAO LIS 22-007 to the Gulpha Basin Gravity Sewer Interceptor, Manhole 1750, Gulpha Basin Sewer Pump Station and Force Main.

RJN Group, Inc. has the Contract for the Engineering and Construction Management for the Lower Gulpha Gravity Sewer Interceptor from Vernel Street to the Gulpha Basin Sewer Pump Station. The City anticipates Regulatory Approval soon of the Plans & Specifications. As soon as approval is granted and funding in place, the project will consist of four (4) stages. The total project construction cost has an estimate of approximately \$25M.

Crist Engineers, Inc. has the Engineering and Construction Management Contracts for the Gulpha Basin Sewer Pump Station Improvements. The construction of the pump station will be by Max Foote Construction Company, Inc. The Construction Management at Risk (CMAR) Contract for the construction of the pump station is approximately \$10M. Max Foote Construction Company, Inc. will also install the three (3) 500 HP submersible Flygt Pumps and the 1,250 kW Kohler Emergency Back-up Generator already purchased by the City.

The Guaranteed Maximum Price (GMP) via the CMAR Contract awarded to Max Foote Construction Company, Inc. for the Davidson Drive Wastewater Treatment Plant Improvements was in the total amount of \$34,563,000.00.

Hanson & McLaughlin, LLC has the Engineering Contract for the Gulpha Basin Pump Station Force Main from the pump station to the Davidson Drive WWTP. Bids on the Force Main - Phase 1 opened on October 9, 2023. On November 7, 2023 the Hot Springs Board of Directors approved a Resolution awarding the bid to the Coakley Company for Phase I of the project (24" and 30" force mains from Gulpha Pump Station to Chase Place). The

Pre-Construction Meeting for the project was on January 8, 2024. Clearing and grubbing for the pipeline ROW started on January 22, 2024 and delivery of the 24" and 30" PVC Pipe began February 5, 2024. The first phase of this project is roughly 30% complete. Completing the force main will allow the City of Hot Springs to run the existing pump station at full capacity (12 MGD) while the new pump station is constructed.

Hawkins-Weir Engineers, Inc. has the Engineering and Construction Management Contract for the Spring Street Collection System Improvement project. The Plans and Specifications have all the required Regulatory Approvals and ARDOT Permits. As soon as City funding becomes available, this project will move forward.

The timing for the improvements in the Gulpha Basin, including pump station, gravity and force main infrastructure is directly dependent on the completion of improvements at the Davidson Drive WWTP. The City has obtained the required ADEQ/EPA regulatory approvals for the improvements at the Davidson Drive WWTP and are finishing the construction documents.

Please see the attached reports for monthly SSO's and required testing requirements.

If you have any questions, please contact me at (501) 651-7730 or by email at [mledbetter@cityhs.net](mailto:mledbetter@cityhs.net).

Sincerely,



Monty Ledbetter  
Utilities Director

Attachments – February 2024 Lab Results

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** – Richard Healey

SSO Report

Friday, April 5, 2024

Location	Manhole #	Start Date/Time of SSO	End Date/Time of SSO	Estimated Volume (in gallons)	Cause of SSO	Environmental Impact	Action(s) Taken to Address SSO	Discharge Location	Rain
117 Catherine Heights Rd.	MH# 1750	3/7/2024	3/31/2024	7,546,500	R,E	NEAH	HC & EC	CR--Gulpha	1.36
3044 Malvern Rd.	MH# 1748	3/7/2024	3/30/2024	5,775,000	R,E	NEAH	HC & EC	CR--Gulpha	1.36

# Manholes 1748, 1749, 1750 & Gulpha Pump Station - Gulpha Sewer Basin

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## Manhole 1750 Sanitary Sewer Overflows – 117 Catherine Heights Road

Overflow Date: 3/7/2024  
 End Date: 3/31/2024  
 Cause: Rainfall and Equipment Failure Event  
 Discharge: Approximately 7,546,500 Gallons discharge to Gulpha Creek  
 Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 3/8/2024

## Manhole 1748 Sanitary Sewer Overflows – 3044 Malvern Avenue

Overflow Date: 3/7/2024  
 End Date: 3/30/2024  
 Cause: Rainfall and Equipment Failure Event  
 Discharge: Approximately 5,775,000 Gallons discharge to Gulpha Creek  
 Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 3/8/2024

### Lab Results – Sample Sites are identical for all manholes

Sample Date:	3/8/24
Site No.	<i>E. coli</i> (cfu)
1	>2419.6

Sample Date:	3/12/24
Site No.	<i>E. coli</i> (cfu)
2	27.5
3 A	>2419.6
3 B	121.1
4	93.3
5	30.5

Sample Date:	3/19/24
Site No.	<i>E. coli</i> (cfu)
2	22.8
3 A	>2419.6
3 B	40.6
4	48.4
5	58.5

Sample Date:	3/27/24
Site No	<i>E. coli</i> (cfu)
2	61.3
3 A	1553.1
3 B	1732.9
4	488.4
5	1732.9

Sample Date:	4/2/2024
Site No	<i>E. coli</i> (cfu)
2	Passed
3 A	118.2
3 B	60.9
4	23.1
5	48.1

Sample Date	4/4/2024
Site No	<i>E. coli</i> (cfu)
2	Passed
3 A	76.3
3 B	11.0
4	13.4
5	33.6

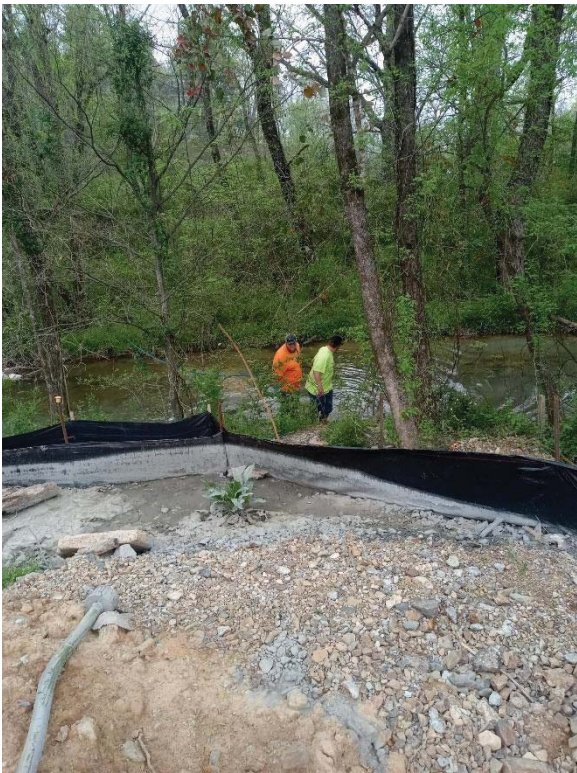
ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 1, 2024



*MH 1750 – Sludge inside berm after SSO stopped*



*MH 1750 – Sludge in containment berm*



*MH 1750 – Back side of Berm before cleanup*



*MH 1750 – Access road before cleanup*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 1, 2024



*MH 1750 – Silt fence between creek and berm*



*MH 1750 – Access before cleanup*



*MH 1750 – Inside berm before cleanup*



*MH 1750 – Washing down inside berm*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 1, 2024



*MH 1750 – Hydro-cleaning containment berm*



*MH 1750 – Hydro-cleaning containment berm*



*MH 1750 – Hydro-cleaning containment berm*



*MH 1750 – Hydro-cleaning containment berm*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 1, 2024



*MH 1750 – Installing new liner in berm area*



*MH 1750 – Installing new liner in berm area*



*MH 1750 – Installing new liner in containment berm*



*MH 1750 – New liner inside containment berm*



ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 1, 2024



*MH 1750 – Access cleanup*



*MH 1750 – Access road after cleanup*

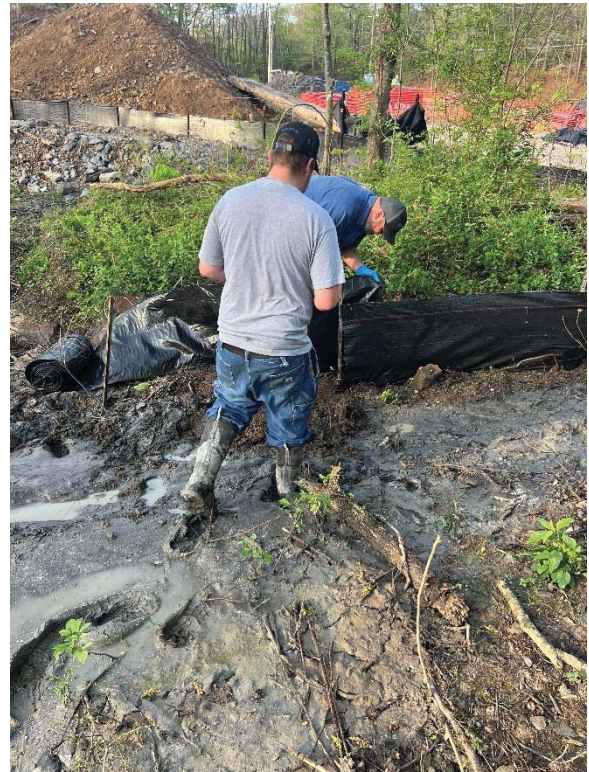


*MH 1750 – Access road after cleanup*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1748 – April 2, 2024



*MH 1748 – Removing silt fence*



*MH 1748 – Removing silt fence*



*MH 1748 – Sludge against silt fence before cleanup*

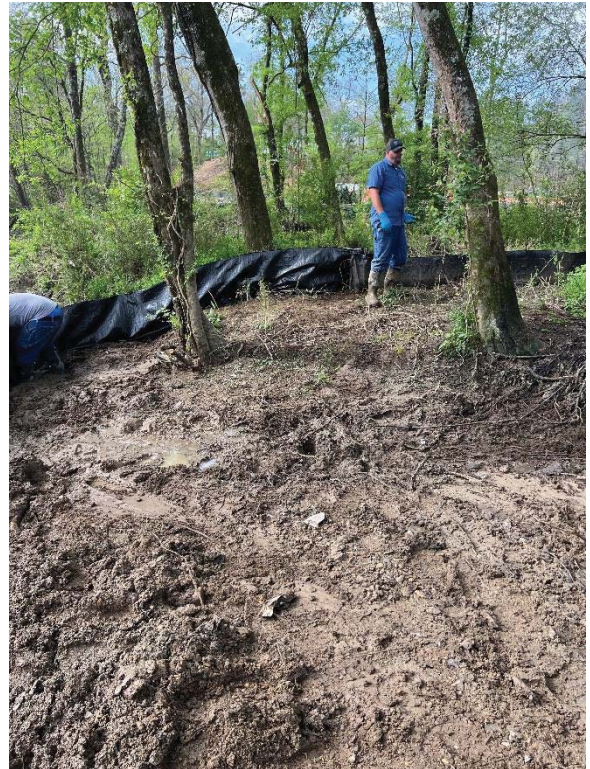


*MH 1748 – Sludge against silt fence before cleanup*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1748 – April 2, 2024



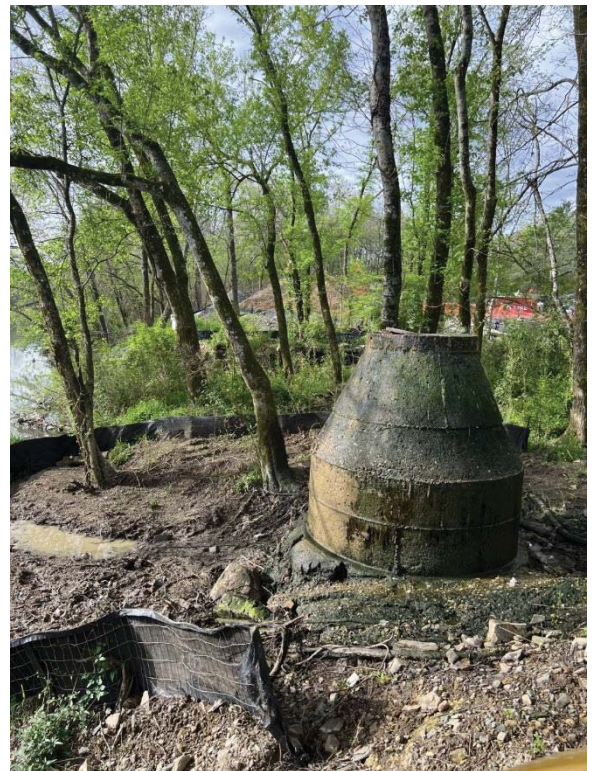
*MH 1748 – After cleanup*



*MH 1748 – After cleanup*



*MH 1748 – Installing new silt fence*



*MH 1748 – Area around MH during cleanup*

ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1748 – April 2, 2024



*MH 1748 – After cleanup*



*MH 1748 – Spreading lime*