



CITY OF HOT SPRINGS

Utilities Department

780 Adams Street

Hot Springs, Arkansas 71901

June 14, 2024

Sent 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 progress update 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. No change here. The City is awaiting Regulatory Approval 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. This project is approximately 15% complete.

The Guaranteed Maximum Price (GMP) via the CMAR Contract awarded to Max Foote Construction Company, Inc. for the Davidson Drive Wastewater Treatment Plant Improvements and the UV Disinfection Upgrade was in the total amount of \$34,563,000.00. This construction has started and the completion date is April 19, 2026.

Hanson & McLaughlin, LLC has the Engineering Contract for the Gulpha Basin Pump Station Force Main from the pump station to the Davidson Drive WWTP. The first phase of this project is roughly 45% 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.

As previously reported, 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.

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

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

Manholes 1750 Sanitary Sewer Overflows – 117 Catherine Heights Road

Overflow Date: 4/27/2024
End Date: 5/12/2024
Cause: Power Failure, Rainfall, Equipment Failure Event
Discharge: Approximately 3,204,000 gallons discharged to Gulpha Creek
Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 4/27/2024 - Code Red Cancelled on 5/15/2024

Manhole 1748 Sanitary Sewer Overflows – 3044 Malvern Avenue

Overflow Date: 4/27/2024
End Date: 5/12/2024
Cause: Power Failure, Rainfall, Equipment Failure Event
Discharge: Approximately 3,204,000 gallons discharged to Gulpha Creek
Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 4/27/2024 - Code Red Cancelled on 5/15/2024

LAB RESULTS

Sample Date:	5/2/24
Site No.	E. coli (cfu)
1	63.7
Second Test	

Sample Date:	5/13/2024
Site No.	E. coli (cfu)
1	31.8
Third Test	

Sample Date:	5/14/2024
Site No.	E. coli (cfu)
1	108.1
Fourth Test	

SIGNAGE FOR SSO EVENT – 4/27/ 2024 to 5/12/2024



Sign Site 1 above 270 Bridge



Sign Site 1



Sign Site 3



Sign Site 5



Sign Site 5



Sign Site 5

NOTES:

- Signage placed on April 27, 2024
- No sign at Site 4: Property will not allow access to shore

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 27- May 12 - SSO Event



5/13/2024 - inside of berm around MH 1750 before cleanup



5/13/2024 - Inside of berm around MH 1750 before cleanup



5/13/2024 - Inside berm during cleanup and replacement of filter fabric

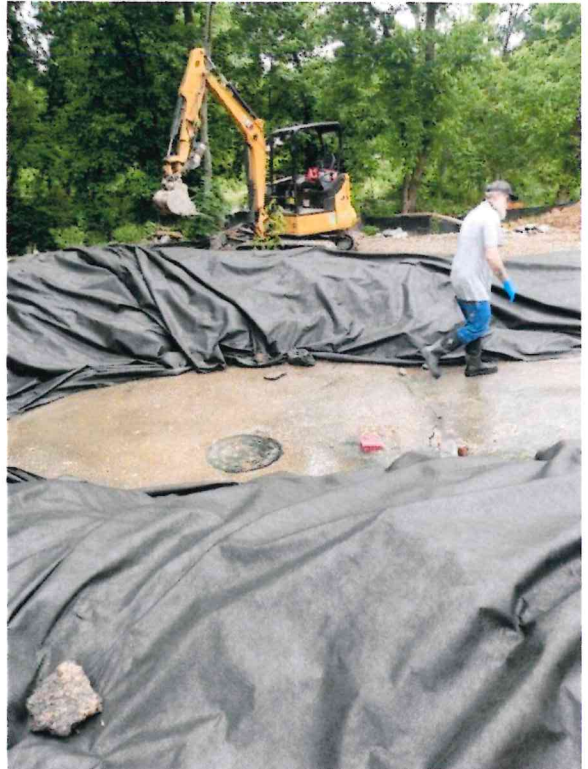


5/13/2024 - Inside berm during cleanup and replacement of filter fabric

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 27- May 12 - SSO Event



5/13/2024 - Replacing filter fabric



5/13/2024 Replacing filter fabric

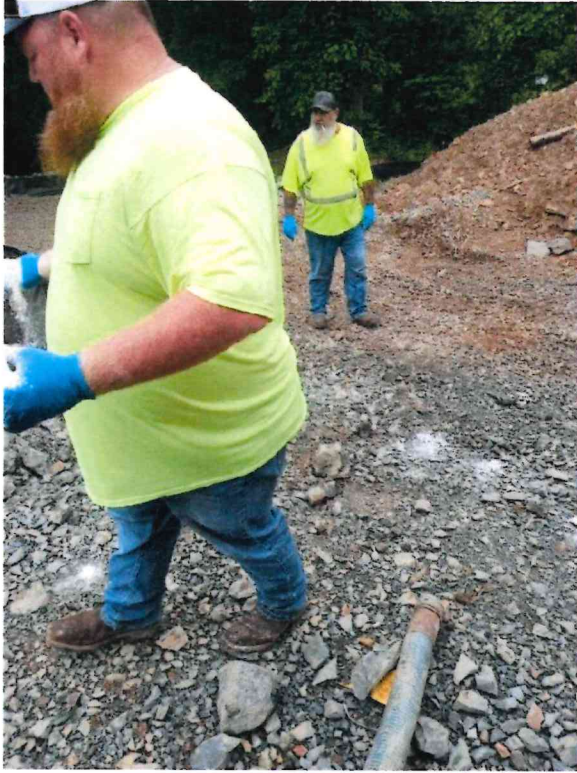


5/13/2024 - Inside berm after cleanup with new fabric

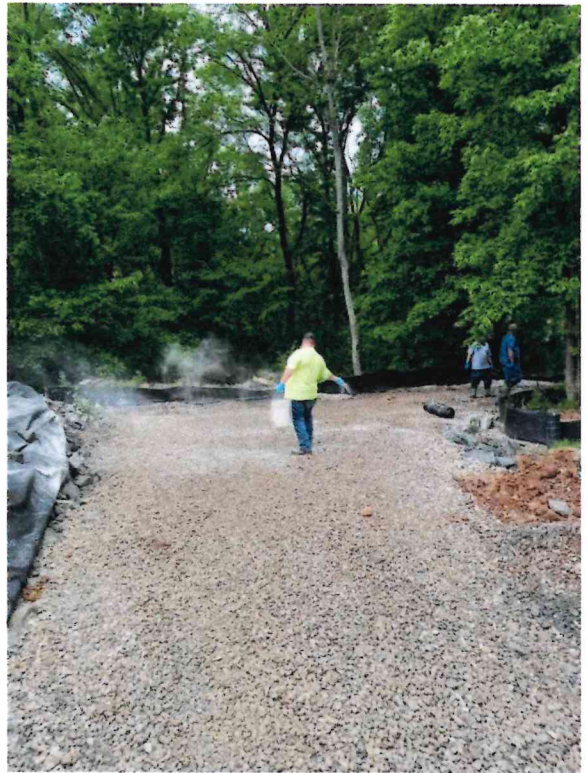


5/13/2024 - After cleanup

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – April 27- May 12 - SSO Event



5/13/2024 - Spreading lime



5/13/2024 - Spreading lime

Manhole 1750 Sanitary Sewer Overflows – 117 Catherine Heights Road

Overflow Date: 5/18/2024
End Date: 5/18/2024
Cause: Power Failure Event
Discharge: Approximately 60,000 gallons discharged to Gulpha Creek
Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 5/18/2024-Code Red canceled 5/20/2024

LAB RESULTS

Sample Date:	5/18/24
Site No.	E. coli (cfu)
1	20.1
No further testing required	

SIGNAGE FOR SSO EVENT – May 18, 2024



Site 1



Site 2



Site 3



Site 5

NOTE: No sign at Site 4: Property Owner will not allow access to shore

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – May 18 - SSO Event



5/20/2024 Inside of berm around MH 1750 before cleanup



5/20/2024 Inside of berm around MH 1750 before cleanup

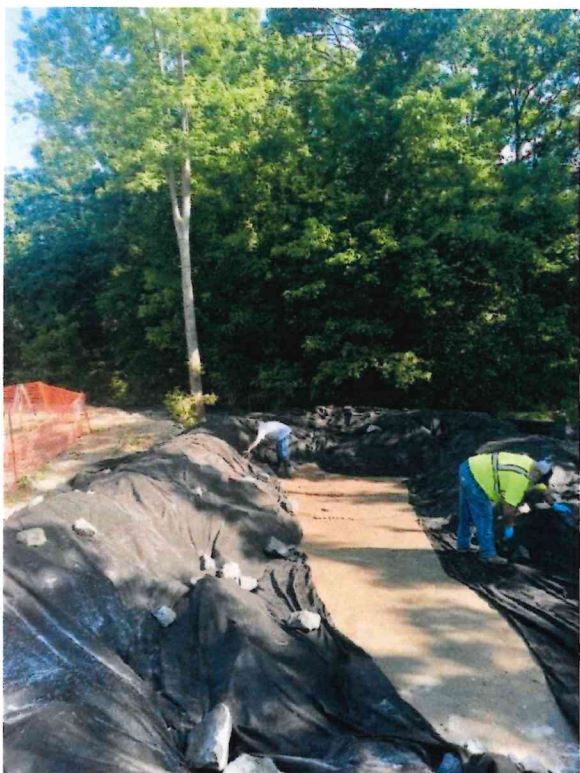
MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750 – May 18 - SSO Event



5/20/2024 Inside berm during cleanup and replacement of filter fabric



5/20/2024 Inside berm during cleanup and replacement of filter fabric



5/20/2024 Replacing filter fabric



5/20/2024 Replacing filter fabric

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1750– May 18 - SSO Event



5/20/2024 Inside berm after cleanup with new fabric



5/20/2024 After cleanup



5/20/2024 Spreading lime

Manhole 1750 Sanitary Sewer Overflows – 117 Catherine Heights Road

Overflow Date: 5/22/2024
 End Date: Continuing SSO
 Cause: Rainfall, Equipment Failure and Power Failure Event
 Discharge: gallons discharged to Gulpha Creek
 Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 5/23/2024

Manhole 1748 Sanitary Sewer Overflows – 3044 Malvern Avenue

Overflow Date: 5/22/2024
 End Date: 5/28/2024
 Cause: Rainfall, Equipment Failure and Power Failure Event
 Discharge: Approximately 1,435,500 gallons discharged to Gulpha Creek
 Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 5/23/2024

Manhole 1748 Sanitary Sewer Overflows – 3044 Malvern Avenue

Overflow Date: 5/28/2024
 End Date: 5/29/2024
 Cause: Rainfall, Equipment Failure
 Discharge: Approximately 105,000 gallons discharged to Gulpha Creek... continuing
 Actions Taken: Environmental Cleanup, Hydro cleaned, Disinfected, Deodorized, Raked/picked up and Spread Lime, Code Red issued on 5/23/2024

LAB RESULTS

Sample Date:	5/22/24
Site No.	E. coli (cfu)
1	>2419.6

Sample Date:	5/24/2024
Site No.	E. coli (cfu)
2	1732.9
3	>2419.6
4	>2419.6
5	2419.6

Sample Date:	5/27/2024
Site No.	E. coli (cfu)
2	172.6
3	1732.9
4	727.0
5	272.3

Sample Date:	5/30/2024
Site No.	E. coli (cfu)
2	133.4
3	488.4
4	67.6
5	41.1

Sample Date:	5/31/2024
Site No.	E. coli (cfu)
2	547.5
3	816.4
4	866.4
5	161.6

Sample Date:	6/3/2024
Site No.	E. coli (cfu)
2	261.3
3	517.2
4	686.7
5	78.4

SIGNAGE FOR SSO EVENT – May 22- continuing SSO event at MH 1750



Site 1



Site 2



Site 3



Site 5

NOTE: No sign at Site 4: Property owner will not allow access to shore

MAY ENVIRONMENTAL CLEANUP ACTIVITIES – Manhole 1748 – May 22 Event



May 28, 2024 - MH 1748 before cleanup



May 28, 2024 - MH 1748 after cleanup with new silt fence



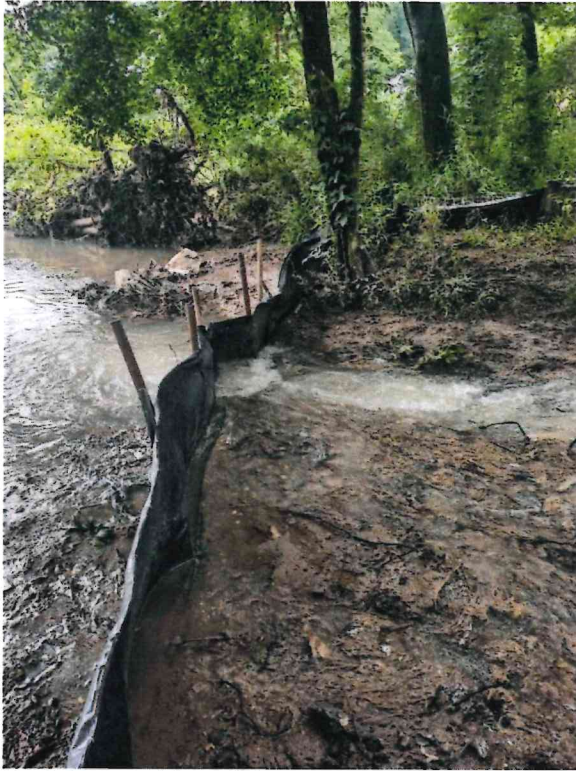
May 28, 2024 - MH 1748 Spreading lime



May 28, 2024 - MH 1748 after cleanup with new silt fencing

NOTE:

- Because of heavy rainfall (6"), the creek rose above the silt fencing at one point causing the fence to collapse. MH 1748 has been intermittently overflowing during this event. In an effort to stabilize the silt fencing CHS Utilities personnel have driven steel post deeper into the soil and will install riprap on both side of the silt fencing as soon as conditions permit. Cleanup for MH 1750 and 1748 cannot be completed until SSO stops.



May 5, 2024 – Stabilizing silt fencing



May 5, 2024 - Stabilizing silt fencing