

NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality
NPDES Enforcement Section
5301 Northshore Drive
North Little Rock, AR 72118

RE: NPDES Permit No: AR0033880 Discharge Number: 001A

Facility: Hot Springs City of WWTP

Address: 320 Davidson Dr

City: Hot Springs State: AR Zip: 71901

Contact: James Sorrells Phone: 1-501-262-1125 Ext 10

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
June-2013	Nitrogen, ammonia	Loading 636 lb/d		360.3 lb/d
June-2013	Nitrogen, ammonia		18.23 mg/l 7 Day Avg	7.50 mg/l 7 Day Avg
June-2013	Nitrogen, ammonia		7.75 mg/l Mo Avg	3.5 mg/l Mo Avg

We fill this problem was due to:

Combination of circumstances, it initially started with the heat transfer boilers in the anaerobic digesters, and after an extended period of time. First trying to repair then replace the existing boilers with all new. Then find out that the gas lines have rusted out, leaking and not holding enough gas pressure to run the new boilers. Over 500 feet in different sections along with several regulators had to be replaced. The waste sludge in the digester had finally become too cold. It appeared to not be digesting or breaking down, therefore what went in is what came out. There seem to be no reduction in solids or water separation. We were used to dewatering 70,000 to 80,000 gallons of sludge per day, yet we were sometime adding 100,000 gallon per day to the digesters. Then the over flow would go back to the head of the plant converting back to ammonium. Also during June the heat and humidity was up didn't and help with DO levels in aeration basins.

We plan on correcting the problem in this manner:

The new boilers are installed and running. We changed the process to concentrate the sludge thicker before going into digesters. Increased run times and overtime on dewatering press. We are running higher alkalinity than normal for awhile, and maximum blowers for DO. Should problem arise we have two clarifiers off line for summer maintenance and cleaning that we can send to if needed.

Time estimated that it will take to correct problem:

We have already started to recover, and July is looking good. We hope to be back to normal sooner than originally projected. I have included MR Merriman's response plus the daily ammonia levels from the first non-compliance until now. If I am missing anything please fill free to contact me.

Sincerely,


Authorized Signature

8-12-2013
Date

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Contact: James Sorrells Phone: 1-501-262-1125 Ext 10

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
July-2013	Nitrogen, ammonia		7.52 mg/l 7 Day Avg	7.5 mg/l 7Day Avg

We fill this problem was due to:

This is the left over reminisce from an earlier problem, and has been in control sense July 9th.

A combination of circumstances, it initially started with the heat transfer boilers in the anaerobic digesters, and after an extended period of time. First trying to repair then replace the existing boilers with all new. Then find out that the gas lines have rusted out, leaking and not holding enough gas pressure to run the new boilers. Over 500 feet in different sections along with several regulators had to be replaced. The waste sludge in the digester had finally become too cold

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Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
July - 2013	Phosphorus, total	104 lb/s day		100.1 lbs/day

We fill this problem was due to:

We had our alum- sulfate chemical pump quit on July 22nd and it took a few days to clean all lines and get back on line
By that time we had exceeded permit for the month.

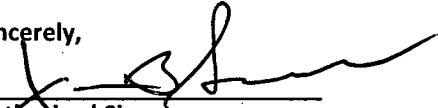
We plan on correcting the problem in this manner:

The problem was corrected and repaired within three days

Time estimated that it will take to correct problem:

We have already recovered. Total P well below permit again

Sincerely,



Authorized Signature

8-12-2013

Date

Sanitary Sewer Overflow (SSO) Monthly Report

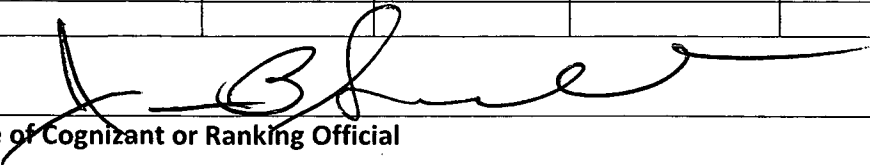
Utility Name: Hot Springs Wastewater NPDES Permit No.: AR0033880 Monitoring Period (Month/Year) July / 2013

No Sanitary Sewer Overflows This Monitoring Period

Summary Report Code Descriptions

Cause(s) of SSO	SSO Impact	Action(s) Taken	Ultimate Discharge Location
CO -Construction	D -Debris	NEAH -No Evidence Adverse Health/Environmental Impact	CR -Creek/Stream/River (specify)
E -Equipment Failure	G -Grease	OEHC -Observed or Evidence of Human Contact	DI -Ditch
HC -Hydro Clean	LF -Line Failure	EFK -Evidence of Fish Kill	DR -Drop Inlet
R -Rainfall	RG -Roots/Grease	HR -Hand Rodded	GR -Ground Surface
RO -Roots	V -Vandalism	EN -Referred to Engineering	PA -Paved Area
		PN -Public Notification	CB -Contained in Building

Location	Manhole #	Start Date of SSO	End Date of SSO	Estimated Volume (in gallons)	Cause of SSO	Environmental Impact	Action(s) Taken to Address SSO	Discharge Location
Catherine Heights Rd.	Manhole # 1750	07/24/2013	Still Overflowing at this time.		R	NEAH		CR-Gulpha
Spring St.	Manhole # 4118	07/24/2013	Still Overflowing at this time.		R	NEAH		CR-Gulpha
Spring St.	Manhole # 4118	07/24/2013	07/24/2013	4500	R	NEAH	HC & EC	CR- Gulpha
Catherine Heights Rd.	Manhole # 1750	07/24/2013	07/25/2013	80,000	R & E	NEAH	EC	CR-Gulpha


 Signature of Cognizant or Ranking Official

Date 8-12-2013