



# BENTON UTILITIES

## BENTON, ARKANSAS

January 30, 2014

Miles Johnson  
Enforcement Analyst  
Water Division / Enforcement Branch  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, AR 72118

RE: NPDES Permit No. AR0036498, AFIN 63-00063  
CAO LIS 11-069 / SSES Review

Dear Mr. Johnson:

This letter is City of Benton's collection system annual report for 2013, detailing work undertaken towards the goal of eliminating sanitary sewer overflows.

In 2013 work was focused on smoke testing and manhole inspections for completion of Sanitary Sewer Evaluation Study. The SSES was completed and document was submitted 8/12/13. It should be noted that the City of Benton has done a lot work towards eliminating SSOs prior to the submission of the SSES.

It was noted that the SSES divided the necessary work into three groups, manhole repair and rehabilitation, service line repair, and gravity main repair. It was stated that all service line repairs had been made. The attached table schedule was submitted for the manhole and gravity repairs for completion of collection system rehabilitation.

Even though that table shows a start date of October 2013, the city of Benton has been proactive in eliminating sanitary sewer overflows and possible sources of infiltration and inflow. In 2013 gravity repairs were completed for a total length of 2,260 feet. These repairs were all completed in top three priority basins as follows; basin 10 – 1,740 feet, basin 5 – 225 feet, and basin 3 – 295 feet. In addition, three gravity line emergency point repairs were completed.

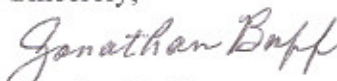
It is to be noted that a couple of Wastewater bond projects were completed in 2013, also. A 24 inch sewer line was installed from Willow St pump station to just beyond Second St. This project replaced twenty three manholes with newly constructed manholes and eliminated two creek crossings. In addition, the Thomas Pasture lift station and force main was upgraded. The two old 50hp and one 40hp were replaced with three 60hp pumps on VFD drives. The force main was upgraded from a 12 inch to a 20 inch. Also, attached is a current list pump station showing lift

stations that were wired for generator backup power and a couple added with in 2013 with generators onsite.

Benton Utilities will continue to focus on priority basins in 2014 to remove infiltration and inflow from each basin of the City of Benton's collection system.

Please feel free to contact me at 501-776-5984 or you may email me at [jwbuff@bentonar.org](mailto:jwbuff@bentonar.org) with any questions or comments concerning this matter.

Sincerely,



Jonathan Buff  
Wastewater Manager

Cc: Terry McKinney  
Byron Hicks  
Matthew Vinyard

Priority No.	Basin No.	Infiltration Removal			Inflow Removal		
		Capital Cost	Estimated Commencement Date	Estimated Completion Date	Capital Cost	Estimated Commencement Date	Estimated Completion Date
1	10	\$707,690	October 1, 2013	December 1, 2014	\$768,175	October 1, 2013	August 1, 2017
2	5	\$217,710	December 1, 2014	April 1, 2015	\$475,525	August 1, 2017	January 1, 2020
3	3	\$233,790	April 1, 2015	September 1, 2015	\$172,075	January 1, 2020	November 1, 2020
4	2	\$150,890	September 1, 2015	December 1, 2015	\$56,600	November 1, 2020	February 1, 2021
5	11	\$126,095	December 1, 2015	March 1, 2016	\$65,000	February 1, 2021	June 1, 2021 *
6	8	\$103,175	March 1, 2016	May 1, 2016	\$88,425	June 1, 2021	November 1, 2021
7	6	\$95,285	May 1, 2016	June 1, 2016	\$78,075	November 1, 2021	April 1, 2022
8	7	\$49,710	June 1, 2016	July 1, 2016	\$112,575	April 1, 2022	November 1, 2022
9	4	\$42,900	July 1, 2016	August 1, 2016	\$90,600	November 1, 2022	April 1, 2023
10	9	\$38,560	August 1, 2016	September 1, 2016	\$60,000	April 1, 2023	August 1, 2023
11	1	\$16,590	September 1, 2016	October 30, 2016	\$55,000	August 1, 2023	December 1, 2023 *
<b>Totals</b>		<b>\$1,782,395</b>			<b>\$2,022,050</b>		

## Benton Utilities Major Lift Stations

No.	Basin no.	Grid no.	Pump Station Name	Phase	Volts	Horse power	Wired for Generator	
1			Herritage Heights	3	460	15	yes	
2			Exit 114	3	460	30	yes	
3	1	H-9	Coldwater Creek	3	480	60	no	
4	1	I-10	Pucket-Hwy 5	3	480	60	no	
5	1	J-10	River Oaks No. 2	1	230	5	no	
6	1	K-10	River Oaks No. 4	1	240	5	no	
7	2	I-12	Sterling Oaks	3	230	7.5	no	
8	3	N-10	Caldwell	3	460	2-30/1-40	Generator on site	
9	3	N-9	Thomas Pasture	3	460	3-60	Generator on site	upgraded in 2013
10	3	O-9	King Road	1	230	5	no	
11	4	P-9	Fairfield Road	3	230	20	no	
12	4	R-10	River Street	3	230	15	no	
13	5	O-13	New Town Village-Windstar	1	230	3	no	
14	5	O-11	Willow Street No.1	3	460	3-40	Generator on site	
15	5	O-11	Willow Street No.2-Auxiliary	3	460	60	Share Gen w/main	
16	5	R-11	South Richards	3	230	15	no	
17	5	S-11	Morning Star	1	230	2	no	
18	6	S-10	Lilac Circle	1	230	5	no	
19	6	R-12	Neeley Street	3	230	20	no	
20	6	T-14	Bennett Road	3	230	30	no	
21	7	Q-15	Overview	1	230	5	no	
22	7	R-16	Summit Road	3	230	30	no	
23	7	R-14	Chatfield Road	3	230	25	no	
24	7	T-15	Highway 35	3	230	20	no	
25	8	M-18	Saint Gobain	3	480	10	Generator on site	added in 2013
26	9	M-15	Coats Road	3	230	15	no	
27	10	K-15	Northshore Drive	3	230	7.5	no	
28	11	D-18	Hurricane Lake East No. 4	3	460	15	yes	
29	11	D-18	Hurricane Lake East No. 2	3	460	10	yes	
30	11	D-18	Hurricane Lake East No. 3	3	460	10	yes	
31	11	C-16	West Shore No. 1	3	460	10	yes	wired in 2013
32	11	D-18	Hurricane Lake West	3	460	20	yes	
33	11	F-14	The Oaks	3	460	5	yes	wired in 2013
34	11	F-14	Maples	3	460	5	Generator on site	added in 2013
35	11	F-17	Hurricane Lake -Main	3	460	60	Generator on site	
36	11	F-17	Rivendale	3	230	7.5	no	
37	11	G-17	Dogwood Lakes	3	460	30	yes	
38	11	G-17	Pilot	3	230	7.5	yes	
39	11	G-15	Longhills Village	3	230	25	yes	
40	11	H-14	Ashley Place	1	230	5	no	
41	11	J-16	Heritage Farms	3	460	50	no	
42	11	J-17	Chapel Ridge	3	230	7.5	yes	wired in 2013

current as of 12/31/2013