



Date: 9-10-19

Natchez Water Works, Natchez MS **Mr. Michael Stewart 601-443-1023**

109 River Terminal Road, Natchez MS 39120

Contractor: AO3 Solutions, LLC - Mr. Tom Baird (501) 625-0031

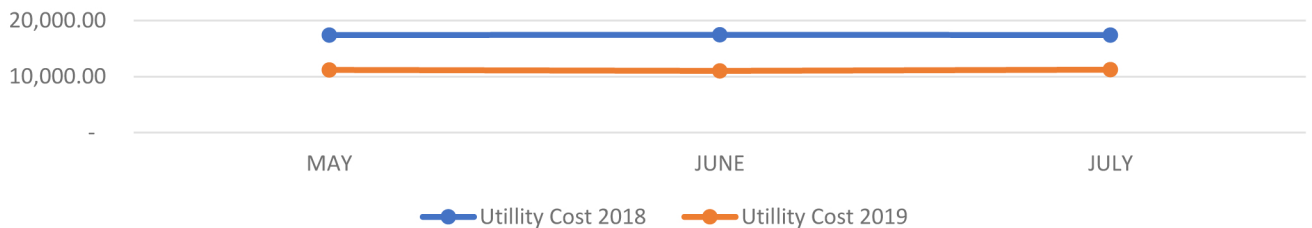
Objective: Reduce Energy Cost Reduce Sludge Reduce Odor

Treatment with SewperRx Start Date: 1-05-19

Cost Item	Utility Cost 2018	Utility Cost 2019	KW'S/MO 2018	KW'S/MO 2019	Sludge Tons 2018	Sludge Tons 2019	Odor 2018	Odor 2019
MAY	\$ 17,400	\$ 11,205	159360	126720	16.4	0	YES	NO
JUNE	\$ 17,450	\$ 11,007	160960	119040	11.75	0	YES	NO
JULY	\$ 17,425	\$ 11,223	157440	115840	13.7	0	YES	NO
Avg. Monthly	\$ 17,425	\$ 11,145	159253	120533				

Cost		REDUCTION		SAVINGS / MONTH		ANNUAL SAVINGS	
		36%				100%	
		\$ 6,280		38720	13.95	\$ 6,280	
				KW'S		Dry Ton	
				464640		187.86	\$ 75,360

Cost Reduction After Treat Wastewater Plant with SewperRx Microbial Blend



Notes:

1. Normal Municipal BOD loading is coming into the plant at 2.5MGD, mixed liquor is 5000-6000 yet the 30 minute settling test show <200 and the clarifier has 1/2 foot of sludge.
2. SewperRx aggressively digests sludge at low dissolved oxygen levels and the plant operates effectively while conserving power.
3. Natchez Water Works reduced aeration in the sludge digesters to 8 hr/day for 184 days without pumping sludge to the lagoon due to a low percent solids. The plant was able to decant the supernatant because of that and hope to do so for another six months. When the percent solids goes from 2% to 5% we will pump sludge to the lagoon again..
4. SewperRx eliminated the odor issue that plagued the plant previously
5. Natchez's wastewater plant is a municipal wastewater plant with industrial customers. Prior to treating with SewperRx the plant experienced bug kill-offs due to high COD chemicals and would take weeks to bounce back.
6. A03 Solutions guaranteed the results of their products and service and provided the technical support as part of our team.