	<u>VDEO</u>		WATER	DIVISION IN	ISP	ECTI	ON	REPORT
	ADLQ	AF	IN: 18-00879 P	PERMIT #: AR0022039				DATE: 8/14/2019
Δ	RKANSAS	DUNTY: 18 Critte	nden PDS #: 110229 MEDIA:				MEDIA: WN	
Dep	partment of Environmental Quality	PS LAT: 35.12421	2 LONG: -90.1790	16 L	OCATION	l: Ei	ntrance	
	FACILITY INFORMAT	ION		INS	PEC	TION INF	ORI	MATION
	: y of West Memphis WWTP TION:			FACILITY TYPE: 1 - Municipal		47 S - St		
	2 South Loop Rd.			FACILITY EVALUATION RATING:				Collection System
-	est Memphis			(-7	RY TIME:	EXIT TIME: 15:27		PERMIT EFFECTIVE DATE:
	RESPONSIBLE OFFIC	CIAL	_	0/14/2019 10	. 10	13.27		11/1/2018 PERMIT EXPIRATION DATE:
	: / TITLE							10/31/2023
	dd Pedersen / General Manager			FAYETTEVILLE S	SHAL	E RELAT	ED:	N
	est Memphis Utilities			FAYETTEVILLE S				
	NG ADDRESS: D. Box 1868					ION PAR		
CITY,	STATE, ZIP:			NAME/TITLE/PHONE/FAX/EMAIL	ETC.:			
	est Memphis AR 72303			Paul Holloway/ I Todd Pedersen/				vater
FHOI	ΛΕ & ΕΛΙ. / ΓΑΛ			Ward Wimbish/				Manager
EMAI	L:				.00.0		J. u.	a.rago.
CC	NTACTED DURING INSPECTION:	No						
				LUATIONS				
11				isfactory, N=Not Applicable/E			١٨/٨.	TED
U S	PERMIT RECORDS/REPORTS	N N	FLOW MEASUF LABORATORY	KEIVIEINI	N N	STORM		ITE REVIEW
S	OPERATION & MAINTENANCE	N		CEIVING WATER	N			ITORING PROGRAM
N	SAMPLING	N		LING/DISPOSAL	N	PRETRI		
N	OTHER:				ı			
			SUMMARY C	F FINDINGS				
	e hose used for the line collapse						in aı	n unpermitted
dis	charge of untreated wastewater (Pho	oto 18) in violatio	on of A.C.A. §8-4-2	17.(b)(1).		
			GENERAL (COMMENTS				
				-				
		0	,					
	11-	El						
INS	SPECTOR'S SIGNATURE:	er				DATE: 12/3/2019		
	Ŋ							
	<i>P</i> 1	ex	t 2 Walk	?o/)				
SU	PERVISOR'S SIGNATURE:		J . J . J . J . J . J	ש しBrent L. Wal	ker			DATE: 12/3/2019

COLLECTION SYSTEM INSPECTION AND OVERALL RAT	TING	□S □M ☑U □NA □NE
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION S <u>Gravity and force main system</u>	SYSTEM:	
POPULATION SERVED/NUMBER OF RESIDENTIAL AND (COMMERCIAL CONNECTIONS	S: ~26,000 population
FEET OF SEWER SYSTEM: ~167 miles		
AGE OF SYSTEM: 1950s and newer		
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING [(EXPLAIN): <u>High I&I</u>		ØY □N □NA □NE
IS THERE A SYSTEM IN PLACE FOR REPORTING SSOS Environmental Quality Department reports to ADEQ	TO ADEQ (DESCRIBE):	⊠Y □N □NA □NE
ARE ALL SSOs REPORTED REGARDLESS OF SIZE:		☑Y □N □NA □NE
HAVE SSOs REACHED "WATERS OF THE STATE" (LIST DEACH): See ADEQ Database	⊠Y □N □NA □NE	
PUMP STATIONS		⊠S □M □U □NA □NE
NUMBER OF PUMP STATIONS IN SYSTEM: 40	NUMBER WITH BACKUP PO	WER: <u>0</u>
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITO	DRED: <u>5/week</u>	
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOG	GS KEPT: <u>Yes</u>	
ADEQUATE INVENTORY OF SPARE PARTS: Yes		
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E	<i>'</i>	
BRIEF SUMMARY OF EMERGENCY PROCEDURES: 2 au partnership with CWL and PLWC for parts and equipmen		y bypass pumps;
NUMBER OF PUMP STATIONS VISITED DURING INSPEC	TION (SEE ATTACHED CHEC	KLISTS FOR EACH): 3
SATELLITE SYSTEMS		☑S □M □U □NA □NE
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM	M SATELLITE SYSTEMS: <u>Yes</u>	
TYPE(S) OF WASTE WATER RECEIVED:_ MRESIDENTIA	L COMMERCIAL DINDUST	RIAL OTHER:
BRIEFLY DESCRIBE THE SATELLITE SYSTEM: ~75 reside	ential customers	
ANY KNOWN PROBLEMS WITH SATELLITE SYSTEM:		
NAME, ADDRESS AND PHONE NUMBER OF PERSON RE County Sewer Board; West Memphis, AR, 870-735-4151	SPONSIBLE FOR SATELLITE	SYSTEM: <u>Crittenden</u>

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)							
GENERAL INFORMATION AND OVERALL EVALUATION		⊠S □M □U □NA					
NAME AND/OR LOCATION OF PUMP STATION: Station #1 (corner of Woods Street and Polk Avenue)							
TYPE(S) OF WASTE WATER RECEIVED: MRESIDENTIAL	□COMMERCIAL □INDUSTRIA	AL OTHER:					
NUMBER OF PUMPS:_2	NUMBER OPERATIONAL: 2						
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		⊠S □M □U □NA □NE					
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:		□Y ØN □NA □NE					
GENERAL OPERATION AND MAINTENANCE		ØS □M □U □NA					
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAG EQUIPMENT:		⊠S □M □U □NA □NE					
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING:	⊠S □M □U □NA □NE						
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED PROTECTED:	⊠S □M □U □NA □NE						
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIF INSTALLED AND MAINTAINED:		⊠S □M □U □NA □NE					
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIDRIVESHAFTS, ETC.):	UIPMENT (BELTS, PULLEYS,	⊠S □M □U □NA □NE					
ADEQUATE VENTILATION TO PREVENT EXCESSIVE COL GASES AND FUMES:	NDENSATION AND/OR	☑S □M □U □NA □NE					
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAIN	TENANCE:	☑S □M □U □NA □NE					
SEALS, VALVES AND PACKING ADEQUATELY MAINTAIN	ED TO PREVENT LEAKS:	☑S □M □U □NA □NE					
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN V	VET WELLS:	☑S □M □U □NA □NE					
BACKUP POWER AND ALARMS		⊠S □M □U □NA					
PROVISIONS FOR GENERATOR AND/OR EMERGENCY T	RANSFER PUMP:	☑S □M □U □NA □NE					
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT	INFORMATION POSTED:	ØS □M □U □NA □NE					
SCADA SYSTEM (LIST PARAMETERS MONITORED): <u>hig</u>	h/low levels, pump running,	⊠Y □N □NA □NE					

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)							
GENERAL INFORMATION AND OVERALL EVALUATION		⊠S □M □U □NA					
NAME AND/OR LOCATION OF PUMP STATION: Pump Station #8 (corner of 7 th Street and East Jefferson	Avenue)						
TYPE(S) OF WASTE WATER RECEIVED: MRESIDENTIAL	☑COMMERCIAL ☑INDUSTRIA	AL OTHER:					
NUMBER OF PUMPS: 4	NUMBER OPERATIONAL: 4						
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		ØS □M □U □NA □NE					
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:		□Y ☑N □NA □NE					
GENERAL OPERATION AND MAINTENANCE		□S ØM □U □NA					
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAG EQUIPMENT:		☑S □M □U □NA □NE					
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING:		⊠S □M □U □NA □NE					
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED PROTECTED:	⊠S □M □U □NA □NE						
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIF INSTALLED AND MAINTAINED:		☑S □M □U □NA □NE					
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIDRIVESHAFTS, ETC.):	UIPMENT (BELTS, PULLEYS,	⊠S □M □U □NA □NE					
ADEQUATE VENTILATION TO PREVENT EXCESSIVE COL GASES AND FUMES:	NDENSATION AND/OR	☑S □M □U □NA □NE					
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAIN	TENANCE:	ØS □M □U □NA □NE					
SEALS, VALVES AND PACKING ADEQUATELY MAINTAIN	ED TO PREVENT LEAKS:	ØS □M □U □NA □NE					
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN V	VET WELLS:	□S ØM □U □NA □NE					
BACKUP POWER AND ALARMS		ØS □M □U □NA					
PROVISIONS FOR GENERATOR AND/OR EMERGENCY T	RANSFER PUMP:	ØS □M □U □NA □NE					
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT	INFORMATION POSTED:	ØS □M □U □NA □NE					
SCADA SYSTEM (LIST PARAMETERS MONITORED): <u>hig</u>	h/low levels, pump running,	☑Y □N □NA □NE					

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)						
GENERAL INFORMATION AND OVERALL EVALUATION		⊠S □M □U □NA				
NAME AND/OR LOCATION OF PUMP STATION: Pump Station #4						
TYPE(S) OF WASTE WATER RECEIVED: ☑RESIDENTIAL	. □COMMERCIAL □INDUSTRIA	AL OTHER:				
NUMBER OF PUMPS: 2	NUMBER OPERATIONAL: 2					
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		ØS □M □U □NA □NE				
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:		□Y ☑N □NA □NE				
GENERAL OPERATION AND MAINTENANCE		⊠S □M □U □NA				
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAGEQUIPMENT:		ØS □M □U □NA □NE				
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING:		⊠S □M □U □NA □NE				
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED PROTECTED:		⊠S □M □U □NA □NE				
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIP INSTALLED AND MAINTAINED:	PMENT PROPERLY	☑S □M □U □NA □NE				
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQ DRIVESHAFTS, ETC.):	UIPMENT (BELTS, PULLEYS,	☑S □M □U □NA □NE				
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CO	NDENSATION AND/OR	☑S □M □U □NA □NE				
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAIN	TENANCE:	☑S □M □U □NA □NE				
SEALS, VALVES AND PACKING ADEQUATELY MAINTAIN	ED TO PREVENT LEAKS:	☑S □M □U □NA □NE				
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN V	VET WELLS:	ØS DM DU DNA DNE				
BACKUP POWER AND ALARMS		⊠S □M □U □NA				
PROVISIONS FOR GENERATOR AND/OR EMERGENCY T	RANSFER PUMP:	☑S □M □U □NA □NE				
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT	INFORMATION POSTED:	☑S □M □U □NA □NE				
SCADA SYSTEM (LIST PARAMETERS MONITORED): <u>hig</u> <u>pH</u>	h/low levels, pump running,	ØY □N □NA □NE				

Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039

Water Division Photographic Evidence Sheet									
Location: C	Location: City of West Memphis WWTP								
Photographer: Sarah Frasher Date: 8/14/2019 Time:									
Witness: No	ne			Photo #	<i>‡</i> : 1				
Description: View of the Pump Station #1.									



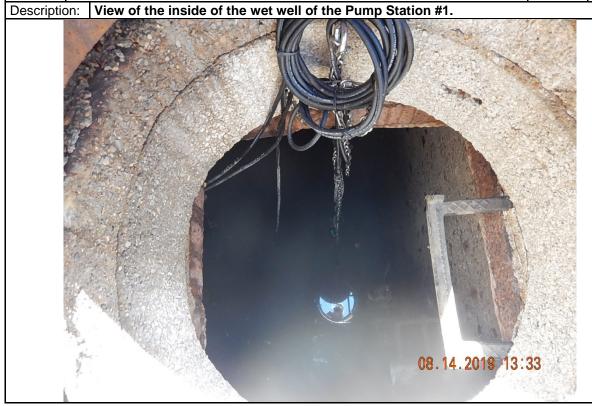
Photographer:Sarah FrasherDate:8/14/2019Time:13:29Witness:NonePhoto #:2



Water Division Photographic Evidence Sheet									
Location:	Location: City of West Memphis WWTP								
Photograp	Photographer: Sarah Frasher			Date:	8/14/2019	Time:	13:29		
Witness:							: 3		

Description: View of the Pump Station #1 electrical equipment.

Photographer:Sarah FrasherDate:8/14/2019Time:13:33Witness:NonePhoto #:4



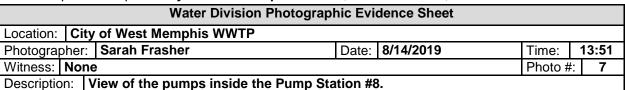
Water Division Photographic Evidence Sheet									
Location:	City	of West Me	emphis WW	/TP					
Photographer: Sarah Frasher				Date:	8/14/2019	Time:	13:56		
Witness: 1							Photo #:	5	



Photographer:Sarah FrasherDate:8/14/2019Time:13:50Witness:NonePhoto #:6



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039





Photographer:Sarah FrasherDate:8/14/2019Time:13:53Witness:NonePhoto #:8



Water Division Photographic Evidence Sheet

Location: City of West Memphis WWTP

Photographer: Sarah Frasher

Date: 8/14/2019

Time: 14:26

Witness: None

Photo #: 9

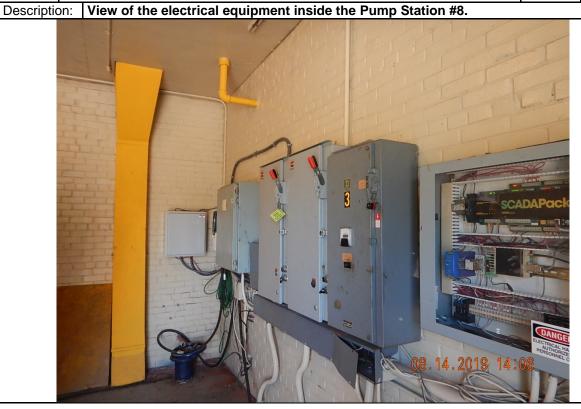
Description: View of Pump Station #4.



Photographer:Sarah FrasherDate:8/14/2019Time:14:08Witness:NonePhoto #:10Description:View of the inside of Station #4



Water Division Photographic Evidence Sheet									
Location:	City	of West Memphis WWTP							
Photograph	er:	Sarah Frasher	Date:	8/14/2019	Time:	14:06			
Witness: None						11			



Photographer:Sarah FrasherDate:8/14/2019Time:14:08Witness:NonePhoto #:12



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039

Water Division Photographic Evidence Sheet								
Location: City of West Memphis WWTP								
Photographer: Sarah Frasher	Date:	8/14/2019	Time:	13:38				
Witness: None	Photo #:	13						



Photographer:Sarah FrasherDate:8/14/2019Time:13:46Witness:NonePhoto #:14



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039

Water Division Photographic Evidence Sheet									
Location:	City	of West Memphis WWTP							
Photograp	her:	Sarah Frasher	Date:	8/14/2019	Time:	13:40			
Witness: None Photo #:						: 15			
Deceription	· 1	lious of the Dump Station o	n Woods Street	<u> </u>					



Photographer:Sarah FrasherDate:8/14/2019Time:13:42Witness:NonePhoto #:16

Description: Close-up view of the Pump Station on Woods Street. Note the hoses used for wastewater transfer.



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039

Water Division Photographic Evidence Sheet								
Location:	City	of West Memphis WW	TP					
Photographer:		Sarah Frasher	Date:	8/14/2019	Time:	13:43		
Witness:	Witness: None Pho							
Danasistis		l'ann af tha l'ua a allamaa	W I- Ot NI-	4 - 41 - 1	landlan anna	4 .		



Photographer:Sarah FrasherDate:8/14/2019Time:13:43Witness:NonePhoto #:18



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039

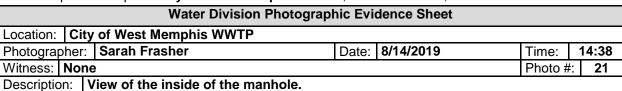
Water Division Photographic Evidence Sheet					
Location: City of West Memphis WWTP					
Photographer:	Sarah Frasher	Date:	8/14/2019	Time:	13:43
Witness: None				Photo #:	19



Photographer:Sarah FrasherDate:8/14/2019Time:14:39Witness:NonePhoto #:20



Inspection Report: City of West Memphis WWTP, AFIN: 18-00879, Permit #: AR0022039





Photographer:Sarah FrasherDate:8/14/2019Time:14:48Witness:NonePhoto #:22





WEST MEMPHIS UTILITY COMMISSION P O Box 1868 604 East Cooper Phone: 870-735-3355 Fax: 870-732-7623

West Memphis, AR 72301

December 10, 2019

Arkansas Department of Environmental Quality Water Division Inspection Branch 5301 Northshore Drive North Little Rock, Arkansas 72118-5317

Re: City of West Memphis WWTP Inspection

AFIN: 18-00879 Permit No: AR0022039 & ARR00C405

Enclosed is the response to the Compliance Inspection performed August 14, 2019.

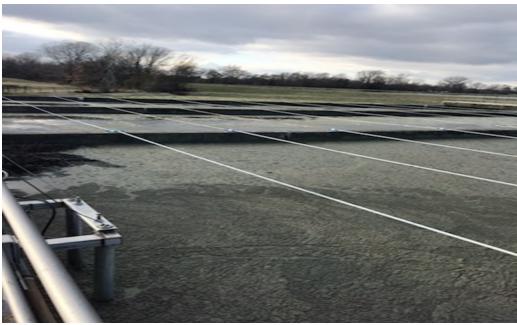
Summary of Findings: Wastewater Treatment Plant

1. Vegetation was observed growing in the Oxidation Ditches.

Vegetation was removed from the Oxidation Ditches. Currently, we are using Roundup. We will look for another product to use.



WWTP-Oxidation Ditch (Photo 1)



WWTP-Oxidation Ditch (Photo 2)

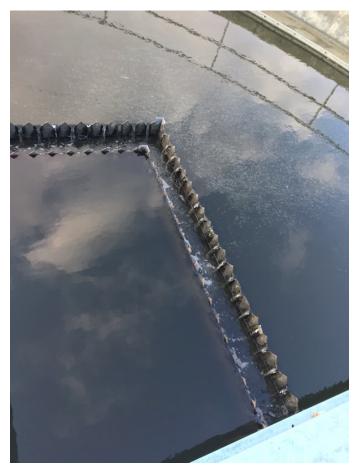
- **2.** Accumulation of algae in the northwest and southwest clarifier weirs. We will perform routine cleaning program on the weirs.
- **3. Vegetation was observed growing in the southwest clarifier.**Vegetation was removed. Will establish a cleaning program to monitor plant growth throughout the plant site.



WWTP-Clarifier (Photo1)



WWTP-Clarifier (Photo 2)



WWTP-Clarifier (Photo 3)

Additional Summary of Findings: Wastewater Treatment Plant

1. Roll-off dumpsters were not adequately covered and/or other Best Management Practices (BMPs) implemented as required by Part 3.1.2 of the permit.

The roll-off dumpster in question is the wastewater treatment plant trash dumpster that does not require a cover. There is no sludge in this dumpster. Water was visible out the dumpster. Gaskets on the doors will be replaced.

2. An overflow from the Oxidation Ditches was observed in violation of Part3.1.3 of the permit.

We will modify the side boards on the channels to keep overflow from going on the ground.

3. A brief review of the SWPPP during the Reconnaissance Inspection revealed the SWPPP was not updated when the permit was renewed as required by Part 4.1 of the permit. The SWPPP must be updated by the effective date of the permit, which was July 1, 2019.

The SWPPP was updated the day of the inspection, which was August 14, 2019.

Summary of Findings: Collection System

The hose used for the line collapse on Woods Street had a hole in it that was resulting in an unpermitted discharge of untreated wastewater, in violation of A.C.A. 8-4-217(b)(1).

Leaking hose on the discharge side of the pump on Woods street. The hose was replaced the day of the inspection.



Collection System-Woods (Photo1)

If you need further assistance, please contact me at (870) 702-5110) or email me at tpedersen@citywm.com.

Sincerely,

Todd Pedersen General Manager West Memphis Utility