WATER DIVISION INSPECTION REPORT							N REPORT
ADLQ	AF	IN: 18-00879 F	PERMIT #: AR002	ERMIT #: AR0022039			DATE: 8/22/2017
A R K A N S A S	CO	UNTY: 18 Critte	enden	PDS	#: 1007	73	MEDIA: WN
Department of Environmental Quality	GP	GPS LAT: 35.124212 LONG: -90.179016 LOCATION: Entrance					ntrance
FACILITY INFORMAT	ION		IN	ISPEC	TION IN	IFORI	MATION
NAME: West Memphis WWTP LOCATION:			FACILITY TYPE: 1 - Municipal	112	347 S -		
502 South Loop Rd.	FACILITY EVALUATION RATIN				Collection System		
West Memphis			1-7	NTRY TIME: 19:28	EXIT TI		PERMIT EFFECTIVE DATE: 8/1/2013
RESPONSIBLE OFFIC]				PERMIT EXPIRATION DATE:		
NAME: / TITLE William Johnson / Mayor					7/31/2018		
COMPANY:	FAYETTEVILLE SHALE RELATED: N						
West Memphis Utilities			FAYETTEVILLE SHALE VIOLATIONS: N				
205 South Redding			INSPECTION PARTICIPANTS				
CITY, STATE, ZIP:			NAME/TITLE/PHONE/FAX/EM/		stant G	onora	l Manager
West Memphis AR 72301 PHONE & EXT: / FAX:			Todd Pedersen/ Assistant General Manager Amanda Hicks/ City Engineer Robert Hatchett/ Senior Pump Mechanic				
1							
EMAIL:			Danny Loving/ Senior Pump Mechanic				
CONTACTED DURING INSPECTION:	No		-				
			ALUATIONS				
S PERMIT	ntisfact	tory, M=Marginal, U=Unsa FLOW MEASU	atisfactory, N=Not Applicable	e/Evaluate	1) N // N // A	TED
S RECORDS/REPORTS	N	LABORATORY		N			SITE REVIEW
M OPERATION & MAINTENANCE	N		CEIVING WATER				
N SAMPLING	N		DLING/DISPOSAL		SELF-MONITORING PROGRAM PRETREATMENT		
N OTHER:		SESDOL HAIN	DEII 40/DIGI OOAL			IXE/XI	IVILIVI
TO THE CONTRACTOR		SUMMARY	OF FINDINGS				

The following were noted at The Villa Pump Station during the inspection in violation of Part III, Section B.1.a. of the permit for Improper Operation and Maintenance:

- 1. High accumulation of grease/solids was observed in wet well (Photo 9)
- 2. Electrical box was unlocked (Photo 10). This is also in violation of Item 41.2 for 10 States Standards.

GENERAL COMMENTS

The Pump Station 8 was experiencing a malfunction with their pump and a temporary emergency pump had to be used (Photos 1-4). The emergency pump appeared adequate to meet the needs of the collection system. The city is experiencing problems with some of their pumps and is looking at installing bypass pumps for the larger pump stations.

Solids/grease accumulation is still a major problem for parts of the city especially at the Bill's Grill Pump Station and The Villa Pump Station. The city has observed that the Bill's Grill Pump Station does not have enough flow that causes the constant buildup of solids. The Villa Pump Station services an apartment complex that frequently experiences accumulation of solids/grease (see attached individual pump station checklist). The city needs to find a better solution to combat this reoccurring problem.

The city experiences problems with high I&I during wet weather. Manholes were relined on the south side of the city (Photo 11) to help with this problem. Plans are in place to evaluate the system further with for a better overall picture of the system.

The contact for the Satellite system was unavailable during the inspection. Please send the updated contact information with your response.

Brent Walker, District 3 Water Inspector, also participated in this inspection.

A Compliance Evaluation Inspection and Industrial Stormwater Inspection were performed in conjunction with this inspection.

CA ful	
INSPECTOR'S SIGNATURE: Sarah Frasher	DATE: 12/29/2017
Jan Ralaban	
SUPERVISOR'S SIGNATURE: Jason Bolenbaugh	DATE: 1/3/2018

COLLECTION SYSTEM INSPECTION AND OVERALL RAT	ING	⊠S □M □U □NA □NE					
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: Gravity and force main system							
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: Population:~28,000							
FEET OF SEWER SYSTEM: ~167 miles							
AGE OF SYSTEM: 1950s and newer							
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DESCRIPTION (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	ΓΟ 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	ØY □N □NA □NE						
PUMP STATIONS		⊠S □M □U □NA □NE					
NUMBER OF PUMP STATIONS IN SYSTEM: 40	NUMBER WITH BACKUP POWER: 0						
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITO	RED: <u>5/week</u>						
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOC	GS KEPT: <u>Yes</u>						
ADEQUATE INVENTORY OF SPARE PARTS: Yes							
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E	,						
BRIEF SUMMARY OF EMERGENCY PROCEDURES: <u>auxi</u> with CWL and PLWC for parts and equipment	liary or electrical emergency	bypass pumps; partnership					
NUMBER OF PUMP STATIONS VISITED DURING INSPEC	TION (SEE ATTACHED CHEC	KLISTS FOR EACH): <u>3</u>					
SATELLITE SYSTEMS		□S ØM □U □NA □NE					
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM	I SATELLITE SYSTEMS: <u>Yes</u>						
TYPE(S) OF WASTE WATER RECEIVED:_ MRESIDENTIA	L □COMMERCIAL □INDUST	RIAL OTHER:					
BRIEFLY DESCRIBE THE SATELLITE SYSTEM: ~75 resid	ential customers						
ANY KNOWN PROBLEMS WITH SATELLITE SYSTEM: flo							
NAME, ADDRESS AND PHONE NUMBER OF PERSON RE County Sewer District; Please send the updated contact							

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						
TYPE(S) OF WASTE WATER RECEIVED: MRESIDENTIAL	. ☑COMMERCIAL ☑INDUSTRIA	AL OTHER:				
NUMBER OF PUMPS: 1	NUMBER OPERATIONAL: 1 (1 pump)	Temporary emergency				
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		□S □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 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 EQUIPINSTALLED AND MAINTAINED:		⊠S □M □U □NA □NE				
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUENCES HAFTS, ETC.):	, ,	□S □M □U ☑NA □NE				
ADEQUATE VENTILATION TO PREVENT EXCESSIVE COI 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:	☑S □M □U □NA □NE				
SCADA SYSTEM (LIST PARAMETERS MONITORED): <u>hig</u> l	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 1 (Planning to redo station next year)						
TYPE(S) OF WASTE WATER RECEIVED: MIRESIDENTIAL	. ☑COMMERCIAL □INDUSTRIA	AL OTHER:				
NUMBER OF PUMPS:_2	NUMBER OPERATIONAL: 2 (p	oumps don't prime)				
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 STORAG EQUIPMENT:		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 EQUIF INSTALLED AND MAINTAINED:	☑S □M □U □NA □NE					
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIPMENTS, ETC.):	, ,	☑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:	ØS □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:	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, pumps 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: The Villa						
TYPE(S) OF WASTE WATER RECEIVED: ZRESIDENTIAL	□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		□S □M ☑U □NA				
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAG	E OF LINDEL ATED					
EQUIPMENT:	E OF UNKELATED	□S □M □U ☑NA □NE				
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING: <u>Electrical box unlocked</u>	□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:	MENT PROPERLY	⊠S □M □U □NA □NE				
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUENTIAL DRIVESHAFTS, ETC.):	JIPMENT (BELTS, PULLEYS,	□S □M □U ☑NA □NE				
ADEQUATE VENTILATION TO PREVENT EXCESSIVE COL GASES AND FUMES:	NDENSATION AND/OR	ØS □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:	☑S □M □U □NA □NE				
SCADA SYSTEM (LIST PARAMETERS MONITORED):		□Y □N ☑NA □NE				

Water Division Photographic Evidence Sheet							
Location:	Wes	t Memphis WWTP					
Photograp	her:	Sarah Frasher	Date:	8/22/2017	Time:	14:29	
Witness:	Bren	t Walker			Photo #:	1	



Photographer:Sarah FrasherDate:8/22/2017Time:14:29Witness:Brent WalkerPhoto #:2





Water Division Photographic Evidence Sheet Location: West Memphis WWTP Photographer: Sarah Frasher Date: 8/22/2017 Time: 14:30 Witness: Brent Walker Photo#: 3 Description: Inside view of Pump Station 8.



Photographer: Sarah Frasher	Date:	8/22/2017	Time:	14:35
Witness: Brent Walker			Photo #:	4



Water Division Photographic Evidence Sheet							
Location:	Wes	t Memphis WWTP					
Photograp	her:	Sarah Frasher		Date:	8/22/2017	Time:	15:03
Witness:	Bren	t Walker				Photo #	# : 5

Description: Overview of Pump Station 1.

Photographer: Sarah Frasher	Date: 8/22/2017	Time:	14:54
Witness: Brent Walker		Photo #:	: 6

Description: View of the inside of Pump Station 1.



Water Division Photographic Evidence Sheet Location: West Memphis WWTP Photographer: Sarah Frasher Date: 8/22/2017 Time: 14:58 Witness: Brent Walker Photo #: 7

Description: View of the wet well for Pump Station 1.



Photographer:Sarah FrasherDate:8/22/2017Time:15:12Witness:Brent WalkerPhoto #:8



Water Division Photographic Evidence Sheet Location: West Memphis WWTP Photographer: Sarah Frasher Witness: Brent Walker Description: View of The Villa Pump Station wet well. Note the high accumulation of solids/grease but clean wet well wall.

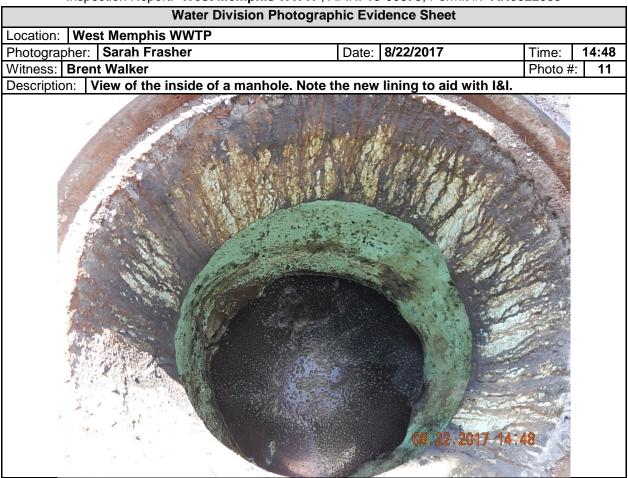


Photogra	apher: Sarah Frasher	Date:	8/22/2017	Time:	15:12
Witness:	Brent Walker			Photo #:	10

Description: View of The Villa Pump Station electrical box. Note the box was left unlocked.



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





March 6, 2018

William Johnson, Mayor West Memphis Utilities 205 South Redding West Memphis, AR 72301

RE: West Memphis Utilities Inspection Response

Permit No.: AR0022039 AFIN: 18-00879

Dear Mayor Williams:

I have reviewed the response pertaining to my August 22, 2017 inspection of the West Memphis Utilities. The information provided sufficiently addresses the violations referenced in my inspection report. At this time the Department has no further comment concerning this particular inspection. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

If we need further information concerning this matter, we will contact you. Thank you for your attention to this matter. Should you have any questions, feel free to contact me at 870-935-7221 ext.-15 or you may e-mail me at frasher@adeq.state.ar.us.

Sincerely,

Sarah Frasher

District 3 Field Inspector

Water Division