

 A R K A N S A S Department of Environmental Quality	WATER DIVISION INSPECTION REPORT				
	AFIN: 57-00423	PERMIT #: AR0036692	DATE: 4/25/2016		
	COUNTY: 57 Polk	PDS #: 090884	MEDIA: WN		
	GPS LAT:	LONG:	LOCATION: *****		
FACILITY INFORMATION		INSPECTION INFORMATION			
NAME: Mena Wastewater Plant LOCATION: 323 Polk 53 CITY: Mena, AR		FACILITY TYPE: 1 - Municipal INSPECTOR ID#: 84022 S - State FACILITY EVALUATION RATING: 3 - Satisfactory INSPECTION TYPE: SSO/Collection System			
RESPONSIBLE OFFICIAL		DATE(S): ENTRY TIME: EXIT TIME: PERMIT EFFECTIVE DATE: 4/25/2016 13:00 14:00 3/1/2012 PERMIT EXPIRATION DATE: 2/28/2017			
NAME / TITLE: Larry Gross / Maintenance Supervisor COMPANY: City of Mena MAILING ADDRESS: 323 Polk 53 CITY, STATE, ZIP: Mena AR 71953 PHONE & EXT. / FAX: 479-216-1255 / EMAIL:		FAYETTEVILLE SHALE RELATED: N FAYETTEVILLE SHALE VIOLATIONS: N			
CONTACTED DURING INSPECTION: Yes		INSPECTION PARTICIPANTS			
		NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Larry Gross/Maintenance Supervisor/City of Mena/(479) 216-1255			
AREA EVALUATIONS					
(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)					
S	PERMIT	N	FLOW MEASUREMENT	N	STORMWATER
S	RECORDS/REPORTS	N	LABORATORY	S	FACILITY SITE REVIEW
S	OPERATION & MAINTENANCE	N	EFFLUENT/RECEIVING WATER	N	SELF-MONITORING PROGRAM
N	SAMPLING	N	SLUDGE HANDLING/DISPOSAL	N	PRETREATMENT
**	OTHER: SSO/Collection System				
SUMMARY OF FINDINGS					
No violations were noted during the inspection.					
GENERAL COMMENTS					
<p>On Monday, April 25, 2016 an inspection was conducted with the above mentioned inspection participants for the City of Mena's collection system. The inspection consisted of site assessments of two of the City's lift stations and a review of online records for Sanitary Sewer Overflows (SSOs).</p> <p>Lift stations visited were found to be in working order with no evidence of recent SSOs. The City uses BK Environmental for pump repairs/rebuilds, and Aleshire Electric (479-243-2053) for electrical issues. It should be noted that the City of Mena is not responsible for private service lines and will only address issues associated with the collection system's mains (street to main).</p> <p>An online SSO review indicates that fifty-six (56) SSOs were reported for 2014 – present by the City. 2014 = 4, 2015 = 47 (three bypasses of the WWTP), and 2016 = 5 (to date). City reports that sections of lines are inspected via camera on a yearly basis. Lines identified needing repairs are repaired when money becomes available. About 800-2000 feet of line are slated for repairs yearly. City experiences excessive I&I, which makes it impossible to retain/treat all the wastewater directed to the plant (plant has no EQ basin). This results in bypasses of partially/inadequately treated wastewater from Lagoon #2 directly to the receiving stream. City needs to address excessive I&I.</p>					

INSPECTOR'S SIGNATURE: <i>Kerri McCabe</i>	Kerri McCabe	DATE: 5/23/2016
SUPERVISOR'S SIGNATURE: <i>Jason R. Bolenbaugh</i>	Jason Bolenbaugh	DATE: 5/23/2016

COLLECTION SYSTEM INSPECTION AND OVERALL RATING		<input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: Gravity to lift stations with force and gravity to mains and WWTP.		
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: 2600; commercial and industrial connections		
FEET OF SEWER SYSTEM: 18 miles		
AGE OF SYSTEM: 70-80 years		
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DRY OR WET WEATHER (EXPLAIN): I&I	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
IS THERE A SYSTEM IN PLACE FOR REPORTING SSOS TO ADEQ (DESCRIBE): Currently submit a monthly report; new permit will require submittal with monthly DMR.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
ARE ALL SSOs REPORTED REGARDLESS OF SIZE: Some bypasses submitted as SSOs.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
HAVE SSOs REACHED "WATERS OF THE STATE" (LIST DATE AND LOCATION OF EACH): City has reported 56 SSOs from 2014 to present.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
PUMP STATIONS		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
NUMBER OF PUMP STATIONS IN SYSTEM: Four (4) and one (1) at WWTP	NUMBER WITH BACKUP POWER: One (1); main lift station at WWTP	
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITORED: Daily		
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOGS KEPT: Yes		
ADEQUATE INVENTORY OF SPARE PARTS: Yes; contracted electrician		
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E. SCADA OR AUTO DIALERS): No		
BRIEF SUMMARY OF EMERGENCY PROCEDURES: Cone off area, call in SSO, hydro-wash, and lime area.		
NUMBER OF PUMP STATIONS VISITED DURING INSPECTION (SEE ATTACHED CHECKLISTS FOR EACH): Two (2)		
SATELLITE SYSTEMS		<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM SATELLITE SYSTEMS: No		
TYPE(S) OF WASTE WATER RECEIVED: <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER:		
BRIEFLY DESCRIBE THE SATELLITE SYSTEM:		
ANY KNOWN PROBLEMS WITH SATELLITE SYSTEM:		
NAME, ADDRESS AND PHONE NUMBER OF PERSON RESPONSIBLE FOR SATELLITE SYSTEM:		

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)	
GENERAL INFORMATION AND OVERALL EVALUATION	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
NAME AND/OR LOCATION OF PUMP STATION: Mena Lake (Polk 89) at 34.583099, -94.202992	
TYPE(S) OF WASTE WATER RECEIVED: <input checked="" type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER:	
NUMBER OF PUMPS: Two (2)	NUMBER OPERATIONAL: Two (2)
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
GENERAL OPERATION AND MAINTENANCE	
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAGE OF UNRELATED EQUIPMENT:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVENT UNAUTHORIZED ACCESS AND/OR TAMPERING:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED, GRATED OR OTHERWISE PROTECTED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIPMENT PROPERLY INSTALLED AND MAINTAINED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIPMENT (BELTS, PULLEYS, DRIVESHAFTS, ETC.): Submerged pumps	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES: Outside	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAINTENANCE: Outside	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
SEALS, VALVES AND PACKING ADEQUATELY MAINTAINED TO PREVENT LEAKS:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS: Low-moderate	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
BACKUP POWER AND ALARMS	
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER PUMP: Hook-ups, portable generator, and vac-truck	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
AUDIBLE/ <u>VISUAL</u> ALARM WITH EMERGENCY CONTACT INFORMATION POSTED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
SCADA SYSTEM (LIST PARAMETERS MONITORED): None	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)	
GENERAL INFORMATION AND OVERALL EVALUATION	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
NAME AND/OR LOCATION OF PUMP STATION: Mena High School (Hwy 8 E) at 34.582872, -94.222387	
TYPE(S) OF WASTE WATER RECEIVED: <input checked="" type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER:	
NUMBER OF PUMPS: One (1)	NUMBER OPERATIONAL: One (1)
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS: Indicated as a problem area.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
GENERAL OPERATION AND MAINTENANCE	
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAGE OF UNRELATED EQUIPMENT:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVENT UNAUTHORIZED ACCESS AND/OR TAMPERING:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED, GRATED OR OTHERWISE PROTECTED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIPMENT PROPERLY INSTALLED AND MAINTAINED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIPMENT (BELTS, PULLEYS, DRIVESHAFTS, ETC.): Submerged pump	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES: Outside	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAINTENANCE: Outside	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
SEALS, VALVES AND PACKING ADEQUATELY MAINTAINED TO PREVENT LEAKS:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS: Low	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
BACKUP POWER AND ALARMS	
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER PUMP: Hook-ups, portable generator, and vac-truck	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
AUDIBLE/ <u>VISUAL</u> ALARM WITH EMERGENCY CONTACT INFORMATION POSTED:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
SCADA SYSTEM (LIST PARAMETERS MONITORED):	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

Water Division Photographic Evidence Sheet

Location:	Mena Wastewater Plant		
Photographer:	Kerri McCabe	Date:	April 25, 2016
Witness:	Larry Gross	Time:	1341
		Photo #:	1
Description:	Mena Lake Lift Station (Polk 89) overview.		



Photographer:	Kerri McCabe	Date:	April 25, 2016
Witness:	Larry Gross	Time:	1338
		Photo #:	2
Description:	Mena Lake Lift Station (Polk 89) pump run hours.		



Water Division Photographic Evidence Sheet

Location:	Mena Wastewater Plant		
Photographer:	Kerri McCabe	Date:	April 25, 2016
Witness:	Larry Gross	Time:	1340
		Photo #:	3
Description:	Mena Lake Lift Station (Polk 89) wet well; solids low-moderate.		



Photographer:	Kerri McCabe	Date:	April 25, 2016
Witness:	Larry Gross	Time:	1338
		Photo #:	4
Description:	Mena Lake Lift Station (Polk 89) with emergency contact info.		



Water Division Photographic Evidence Sheet

Location:	Mena Wastewater Plant			
Photographer:	Kerri McCabe	Date:	April 25, 2016	
Witness:	Larry Gross	Time:	1353	
Description:	Mena High School (Hwy 8 E) overview.		Photo #:	5



Photographer:	Kerri McCabe	Date:	April 25, 2016	
Witness:	Larry Gross	Time:	1353	
Description:	Mena High School (Hwy 8 E) well wet; solids low.		Photo #:	6



Figure 1. Google Earth imaged dated Nov 6, 2014 of lift stations visited during inspection.

