 <b>ENVIRONMENTAL QUALITY</b>	<b>OFFICE OF WATER QUALITY</b>		
	<b>INSPECTION REPORT</b>		
	AFIN: <b>60-00274</b>	PERMIT #: <b>AR0020303</b>	DATE: <b>1/13/2021</b>
	COUNTY: <b>60 Pulaski</b>	PDS #: <b>114847</b>	MEDIA: <b>WN</b>
GPS LAT:	LONG:	LOCATION: <b>*****</b>	

FACILITY INFORMATION	INSPECTION INFORMATION
NAME: <b>NLRWU - Faulkner Lake</b> LOCATION: <b>7400 Baucum Pike</b> CITY: <b>North Little Rock</b>	FACILITY TYPE: <b>1 - Municipal</b> INSPECTOR ID#: <b>83321 S - State</b> FACILITY EVALUATION RATING: <b>4 - Satisfactory</b> INSPECTION TYPE: <b>SSO/Collection System</b> DATE(S): <b>1/13/2021</b> ENTRY TIME: <b>10:10</b> EXIT TIME: <b>10:55</b> PERMIT EFFECTIVE DATE: <b>6/1/2019</b> PERMIT EXPIRATION DATE: <b>5/31/2024</b>
RESPONSIBLE OFFICIAL	INSPECTION PARTICIPANTS
NAME / TITLE: <b>Mr. Michael Clayton / Director</b> COMPANY: <b>North Little Rock Water Utility</b> MAILING ADDRESS: <b>P.O. Box 17898</b> CITY, STATE, ZIP: <b>North Little Rock AR 72117</b> PHONE & EXT: / FAX: <b>501-945-7186 /</b> EMAIL:	NAME/TITLE/PHONE/FAX/EMAIL/ETC.: <b>Brent Kirkendoll, Assistant Sup. of Maintenance, NLRWU</b>
CONTACTED DURING INSPECTION: <b>No</b>	FAYETTEVILLE SHALE RELATED: <b>N</b> FAYETTEVILLE SHALE VIOLATIONS: <b>N</b>

AREA EVALUATIONS					
<small>(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)</small>					
**	PERMIT	**	FLOW MEASUREMENT	**	STORMWATER
**	RECORDS/REPORTS	**	LABORATORY	**	FACILITY SITE REVIEW
**	OPERATION & MAINTENANCE	**	EFFLUENT/RECEIVING WATER	**	SELF-MONITORING PROGRAM
**	SAMPLING	**	SLUDGE HANDLING/DISPOSAL	**	PRETREATMENT
**	OTHER:				


**SUMMARY OF FINDINGS**

**Dixie Pump Station (Location 34.764147, -92.229326)(Photographs 1-4)**

- This station is located on 10<sup>th</sup> Street midway between F Street and G Street. This station collects wastewater from residential homes. The pump station is large enough to handle all flows. The station's perimeter is fenced entirely and the wet well and controls are locked. There are two, 11 horsepower pumps that are both operational. There was no evidence of recent overflows and no accumulated grease was noticeable in the wet well. The station has a visual and audible alarm and is monitored via SCADA. The station has a permanent backup generator on site that is tested once/week. Staff will visit/inspect the pump station weekly. There isn't any signage located on this pump station that can provide contact information to the public in case of an emergency. Please install signage on the pump station.

**Hill Lake Pump Station (Location 34.780162, -92.124725)(Photographs 5-8)**

- This station is located on Kinard Road approximately 0.22 miles east of Valentine Road in Galloway. This station collects wastewater from commercial and industrial businesses. The pump station is large enough to handle all flows. The station's perimeter is fenced entirely and the wet well and controls are locked. This station is not operating at its peak ability as there is room and controls for an additional two pumps when future flow increases. Currently only 2 of a possible 4 pumps are installed. There was no evidence of overflows and no accumulated grease was noticeable in the wet well. The station had visual and audible alarms and is monitored via SCADA. The station has a permanent backup generator on site that is tested once/week. Staff will visit/inspect the pump station weekly.

GENERAL COMMENTS		
INSPECTOR'S SIGNATURE: <small>←Click text to left to add signature</small>	<b>-Inspector Name</b>	DATE:
SUPERVISOR'S SIGNATURE: 	<b>Jason Bolenbaugh</b>	DATE: <b>1/22/2021</b>

<b>COLLECTION SYSTEM INSPECTION AND OVERALL RATING</b>		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: <b>Collection system piping consists of varying pipe materials such as cast iron, CIPP, clay, concrete, ductile iron, and PVC. Some polyethylene pipe may also be located in areas where pipe bursting may have occurred. The collection system has 16 pump stations which all have permanent back-up generators or have the ability to connect a portable generator to. All stations are monitored with SCADA and visited on a weekly basis.</b>		
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: <b>Population for municipal and domestic sewer systems is 13,393 according to most recent renewal application.</b>		
MILES/FEET OF SEWER SYSTEM: <b>~240 miles</b>		
AGE OF SYSTEM: <b>1900 to current</b>		
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DRY OR WET WEATHER (EXPLAIN): <b>Some Infiltration and Inflow</b>		<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:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
ARE ALL SSOs REPORTED REGARDLESS OF SIZE:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
HAVE SSOs REACHED WATERS OF THE STATE: <b>From November 1, 2019 to October 31, 2020, the permittee reported 7 overflows. Five of those overflows occurred within the collections system and entered waters of the state. The other two overflows occurred within the treatment facility.</b>		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
<b>PUMP STATIONS</b>		<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: <b>16</b>	NUMBER WITH BACKUP POWER: <b>16 – permanent or generator hook-up capabilities</b>	
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITORED: <b>Stations are monitored continuously using SCADA but are visited at least weekly by staff.</b>		
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOGS KEPT: <b>Yes, the permittee provided all maintenance and operator logs for March, 2020.</b>		
ADEQUATE INVENTORY OF SPARE PARTS: <b>The permittee maintains an assortment of bearings and seals and a select number of pumps of various sizes.</b>		
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E. SCADA OR AUTO DIALERS): <b>SCADA</b>		
BRIEF SUMMARY OF EMERGENCY PROCEDURES: <b>Pump stations are monitored using SCADA so problems are quickly identified. When problems arise staff prioritizes any repairs and remediation.</b>		
NUMBER OF PUMP STATIONS VISITED DURING INSPECTION (SEE ATTACHED CHECKLISTS FOR EACH): <b>2</b>		
<b>SATELLITE SYSTEMS</b>		<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? <b>No</b>		
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:		

<b>PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)</b>	
<b>GENERAL INFORMATION AND OVERALL EVALUATION</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
NAME AND/OR LOCATION OF PUMP STATION: <b>Dixie Pump Station at 920 F. Street</b>	
TYPE(S) OF WASTE WATER RECEIVED: <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER:	
NUMBER OF PUMPS: <b>2</b>	NUMBER OPERATIONAL: <b>2</b>
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE: <b>11 hp</b>	<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
<b>GENERAL OPERATION AND MAINTENANCE</b>	
<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
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.):	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES:	<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:	<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 type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS: <b>None</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
<b>BACKUP POWER AND ALARMS</b>	
<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER PUMP: <b>Permanent</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT INFORMATION POSTED: <b>The station has an audible and visual alarm but lacks signage.</b>	<input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
SCADA SYSTEM (LIST PARAMETERS MONITORED):	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

<b>PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)</b>	
<b>GENERAL INFORMATION AND OVERALL EVALUATION</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
NAME AND/OR LOCATION OF PUMP STATION: <b>Hill Lake Pump Station</b>	
TYPE(S) OF WASTE WATER RECEIVED: <input type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER:	
NUMBER OF PUMPS: <b>2</b>	NUMBER OPERATIONAL: <b>2</b>
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE: <b>25 hp</b>	<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
<b>GENERAL OPERATION AND MAINTENANCE</b>	
<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
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.):	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES:	<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:	<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 type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS: <b>None</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
<b>BACKUP POWER AND ALARMS</b>	
<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER PUMP: <b>Permanent</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
AUDIBLE/VISUAL 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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

**Office of Water Quality Photographic Evidence Sheet**

Location:	<b>NLRWU - Faulkner Lake</b>		
Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:31</b>
		Photo #:	<b>1</b>
Description:	<b>DSCN1892: Dixie Pump Station wet well, controls and permanent generator.</b>		



Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:28</b>
		Photo #:	<b>2</b>
Description:	<b>DSCN1890: Closer view of controls and generator and wet well lid opened.</b>		



**Office of Water Quality Photographic Evidence Sheet**

Location:	<b>NLRWU - Faulkner Lake</b>		
Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:28</b>
		Photo #:	<b>3</b>
Description:	<b>DSCN1887: View of wet well with orange protective grates.</b>		



Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:28</b>
		Photo #:	<b>4</b>
Description:	<b>DSCN1888: Closer view of wet well with minimal floating solids.</b>		



**Office of Water Quality Photographic Evidence Sheet**

Location:	<b>NLRWU - Faulkner Lake</b>		
Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:49</b>
		Photo #:	<b>5</b>
Description:	<b>DSCN1893: Overview of the Hill Lake Pump Station.</b>		



Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:50</b>
		Photo #:	<b>6</b>
Description:	<b>DSCN1896: Pump station controls with lid open to wet well.</b>		





**Office of Water Quality Photographic Evidence Sheet**

Location:	<b>NLRWU - Faulkner Lake</b>		
Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:51</b>
		Photo #:	<b>7</b>
Description:	<b>DSCN1898: Inside of wet well #1.</b>		



Photographer:	<b>Jason Bolenbaugh</b>	Date:	<b>1/13/2021</b>
Witness:		Time:	<b>10:53</b>
		Photo #:	<b>8</b>
Description:	<b>DSCN1903: Pump control warning lights and runtime hour gauges.</b>		



**Locations of the Dixie and Hill Lake Pump Stations**

