ENVIRONMENTAL QUALITY

OFFICE OF WATER QUALITY INSPECTION REPORT

AFIN: **60-00409**	PERMIT #: **AR0021806**	DATE: **10/22/2020**
COUNTY: **60 Pulaski**	PDS #: **114065**	MEDIA: **WN**
GPS LAT:	LONG:	LOCATION: **********

FACILITY INFORMATION

NAME:
Adams Field WRF
LOCATION:
1001 Temple St.
CITY:
Little Rock

RESPONSIBLE OFFICIAL

NAME: / TITLE
Mr. Gregorio Ramon / Chief Executive Officer
COMPANY:
Little Rock Water Reclamation Authority
MAILING ADDRESS:
11 Clearwater Drive
CITY, STATE, ZIP:
Little Rock AR 72204
PHONE & EXT: / FAX:
501-688-1404 /
EMAIL:
greg.ramon@lrwra.com

CONTACTED DURING INSPECTION: **No**

INSPECTION INFORMATION

FACILITY TYPE: **1 - Municipal**
INSPECTOR ID#: **83321 S - State**
FACILITY EVALUATION RATING: ***
INSPECTION TYPE: **SSO/Collection System**
DATE(S): **10/22/2020**
ENTRY TIME: **09:00**
EXIT TIME: **12:50**
PERMIT EFFECTIVE DATE: **1/1/2018**
PERMIT EXPIRATION DATE: **12/31/2022**

FAYETTEVILLE SHALE RELATED: **N**

FAYETTEVILLE SHALE VIOLATIONS: **N**

INSPECTION PARTICIPANTS

NAME/TITLE/PHONE/FAX/EMAIL/ETC.:
Mr. Eric Wassell, Sr. Manager, LRWRA
Mr. Matt Williams, Operations & Facilities Coordinator, LRWRA

AREA EVALUATIONS

(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)

**	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

No violations were noted at the time of the inspection.

The Copper Run Pump Station receives all residential wastewater. The Copper Run Subdivision is new and the majority of the subdivision is under construction. This station has a Purafil deodorizer to try and eliminate odors within the subdivision. No odors were evident at the time of the inspection.

The Interstate Park Gates all LRWRA to divert flows to and from the Adams Field WRF during periods of wet weather or maintenance. This structure has a 42-inch pipe with a 42-inch lift gate. Flows can be sent to the Arch Street Pump Station from this structure by surcharging the pumps, then flows can be sent to the Adams Field WRF. The Interstate Park Gate is located at 34.711620 and -92.284930 and near to the Arch Street Pump Station.

GENERAL COMMENTS	
Only the major pump stations like Cantrell, Arch St., and Maumelle have permanent back-up power. Another pump station in Walton Heights has back-up power because it is difficult to access if weather conditions prevent it. There is also another back-up generator available that could serve as a permanent generator that would go to the Jamison Street Pump Station if needed. **Sanitary Sewer Overflows (SSO) is being addressed by LRWRA through the 2010 System Evaluation and Capacity Assurance Plan (SECAP). A second amendment to the plan was submitted on April 18, 2019. A compliance deadline is December 21, 2023.**	
INSPECTOR'S SIGNATURE: ←Click text to left to add signature **-Inspector Name**	DATE:
SUPERVISOR'S SIGNATURE:  **Jason Bolenbaugh**	DATE: **11/16/2020**

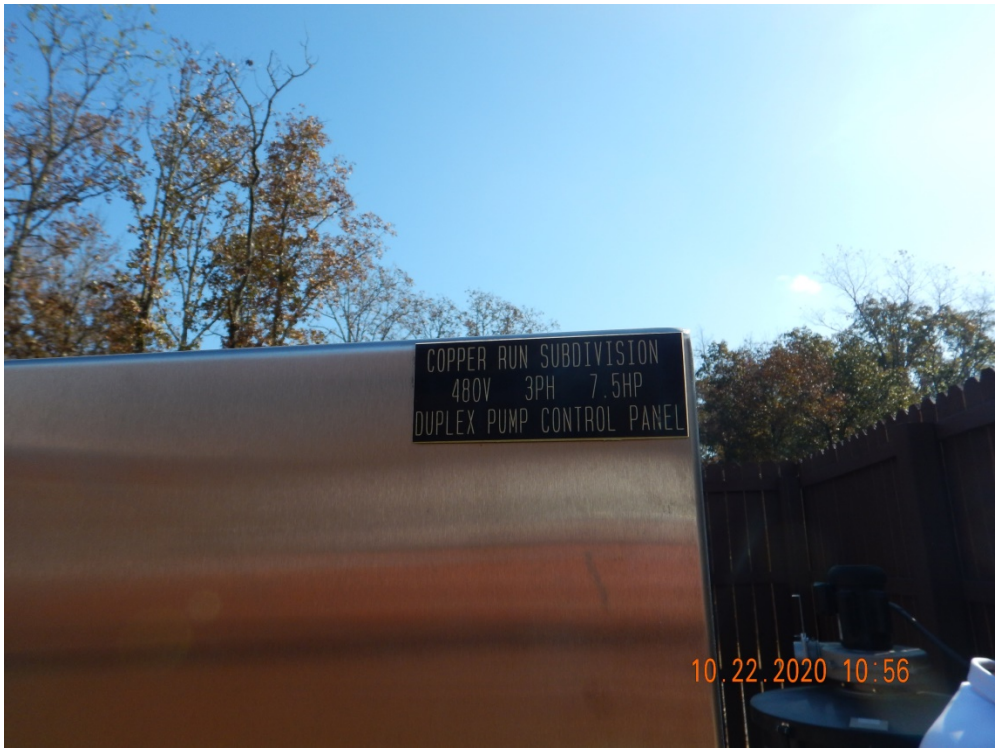
COLLECTION SYSTEM INSPECTION AND OVERALL RATING	**☑S ☐M ☐U ☐NA ☐NE**
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: **Wastes in the collection system is from residential, commercial, and industrial users. The collection system is approximately 982 miles long that has 12 pump stations. The collection system lines consist mostly of concrete and PVC, with some clay and iron ductile pipes as well.**	
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: **The total population served by all three WRFs is 197,786. This includes three small satellite systems that serve populations of approximately 4,262.**	
FEET OF SEWER SYSTEM: **5,187,138 feet or approximately 982 miles.**	
AGE OF SYSTEM: **Construction began in the 1800's with more modern installation beginning in 1959 and continuing.**	
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DRY OR WET WEATHER (EXPLAIN): **LRWRA is currently operating under a SECAP**	**☑Y ☐N ☐NA ☐NE**
IS THERE A SYSTEM IN PLACE FOR REPORTING SSOS 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": **The SSO Incident Data Search on the DEQ website revealed some of the 152 reported SSOs did reach the receiving water/stream.**	**☑Y ☐N ☐NA ☐NE**

PUMP STATIONS		**☑S ☐M ☐U ☐NA ☐NE**
NUMBER OF PUMP STATIONS IN SYSTEM: **12**	NUMBER WITH BACKUP POWER: **1 Permanent (Arch St.)**	
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITORED: **Stations are monitored hourly via SCADA and visually inspected weekly.**		
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOGS KEPT: **Yes**		
ADEQUATE INVENTORY OF SPARE PARTS: **A review of spare parts for the pump stations was not conducted but was recently as part of Compliance Evaluation Inspections of all three facilities. LRWRA has provided a list of inventory items and work orders.**		
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E. SCADA OR AUTO DIALERS): **SCADA**		
BRIEF SUMMARY OF EMERGENCY PROCEDURES: **All stations are monitored via SCADA that will monitor various aspects of the station from wet well depth, operations of pumps and pump run times, valve positioning, and more. LRWRA possesses the ability to deploy portable generators to stations when required as well as enlist vac trucks to conduct pumping activities.**		
NUMBER OF PUMP STATIONS VISITED DURING INSPECTION (SEE ATTACHED CHECKLISTS FOR EACH): **1, the Copper Run Pump Station, but I also visited the Interstate Park Gate structure.**		

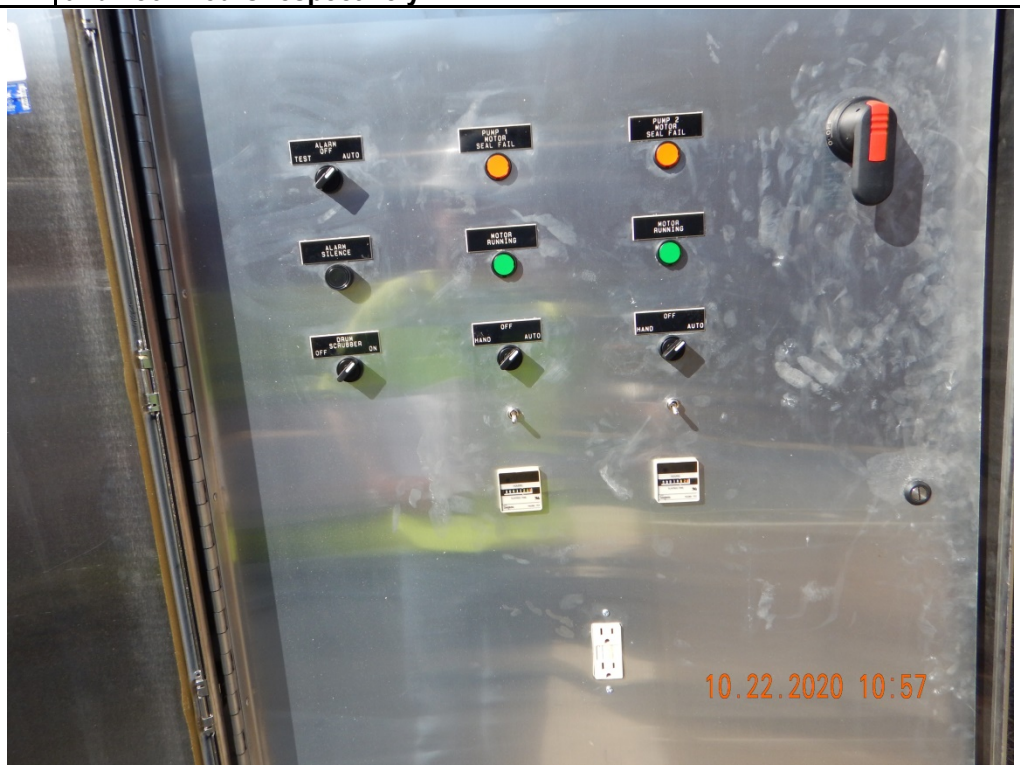
SATELLITE SYSTEMS	**☑S ☐M ☐U ☐NA ☐NE**
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM SATELLITE SYSTEMS: **Cammack Village**	
TYPE(S) OF WASTE WATER RECEIVED: ☑RESIDENTIAL ☐COMMERCIAL ☐INDUSTRIAL ☐OTHER:	

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: **Copper Run Pump Station/Copper Run Subdivision. Approximate location is 34.747427 and -92.457467.**	
TYPE(S) OF WASTE WATER RECEIVED: ☑RESIDENTIAL ☐COMMERCIAL ☐INDUSTRIAL ☐OTHER:	
NUMBER OF PUMPS: **2**	NUMBER OPERATIONAL: **2**
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE: **7.5hp pumps**	**☑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 STORAGE OF UNRELATED EQUIPMENT:	**☑S ☐M ☐U ☐NA ☐NE**
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVENT UNAUTHORIZED ACCESS AND/OR TAMPERING:	**☑S ☐M ☐U ☐NA ☐NE**
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED, GRATED OR OTHERWISE PROTECTED:	**☑S ☐M ☐U ☐NA ☐NE**
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIPMENT PROPERLY INSTALLED AND MAINTAINED:	**☑S ☐M ☐U ☐NA ☐NE**
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIPMENT (BELTS, PULLEYS, DRIVESHAFTS, ETC.):	**☐S ☐M ☐U ☑NA ☐NE**
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES: **station is completely outside**	**☑S ☐M ☐U ☐NA ☐NE**
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAINTENANCE:	**☑S ☐M ☐U ☐NA ☐NE**
SEALS, VALVES AND PACKING ADEQUATELY MAINTAINED TO PREVENT LEAKS:	**☐S ☐M ☐U ☐NA ☑NE**
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS:	**☑S ☐M ☐U ☐NA ☐NE**
BACKUP POWER AND ALARMS	**☑S ☐M ☐U ☐NA**
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER 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**

Office of Water Quality Photographic Evidence Sheet					
Location:	**Adams Field WRF**				
Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:56**
Witness:				Photo #:	**1**
Description:	**DSCN1576: Copper Run Subdivision pump station control panel.**				

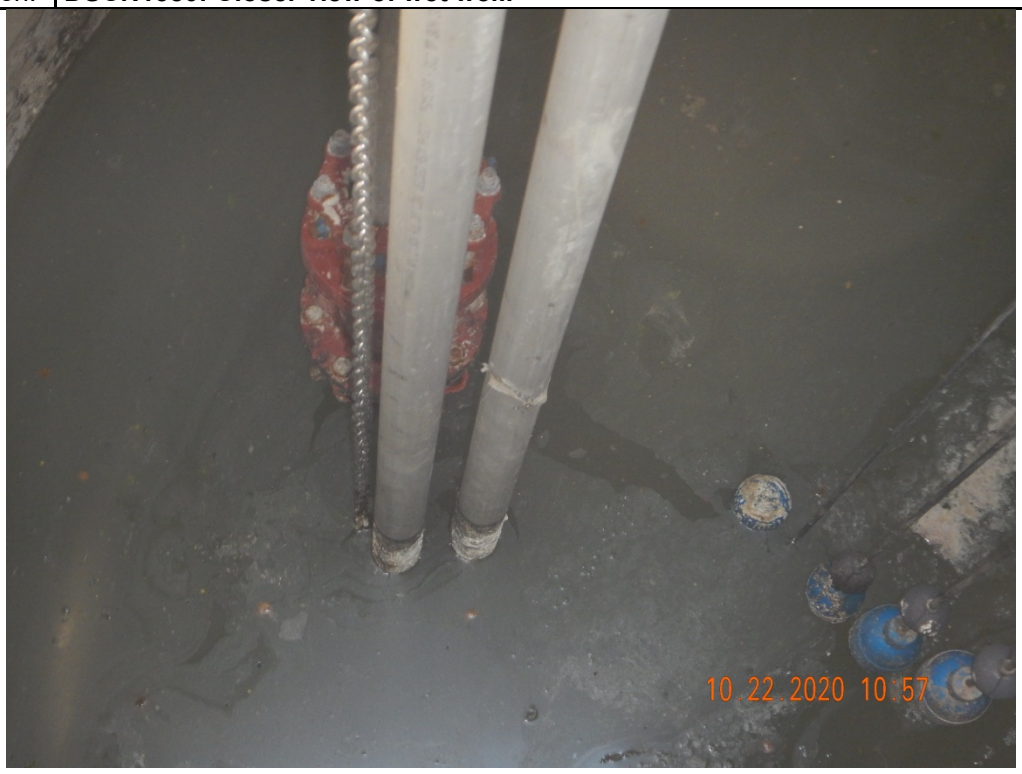


Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:57**
Witness:				Photo #:	**2**
Description:	**DSCN1577: Inside of control panel. Pump run times alternate at were at 2100 hours and 1862 hours respectively.**				

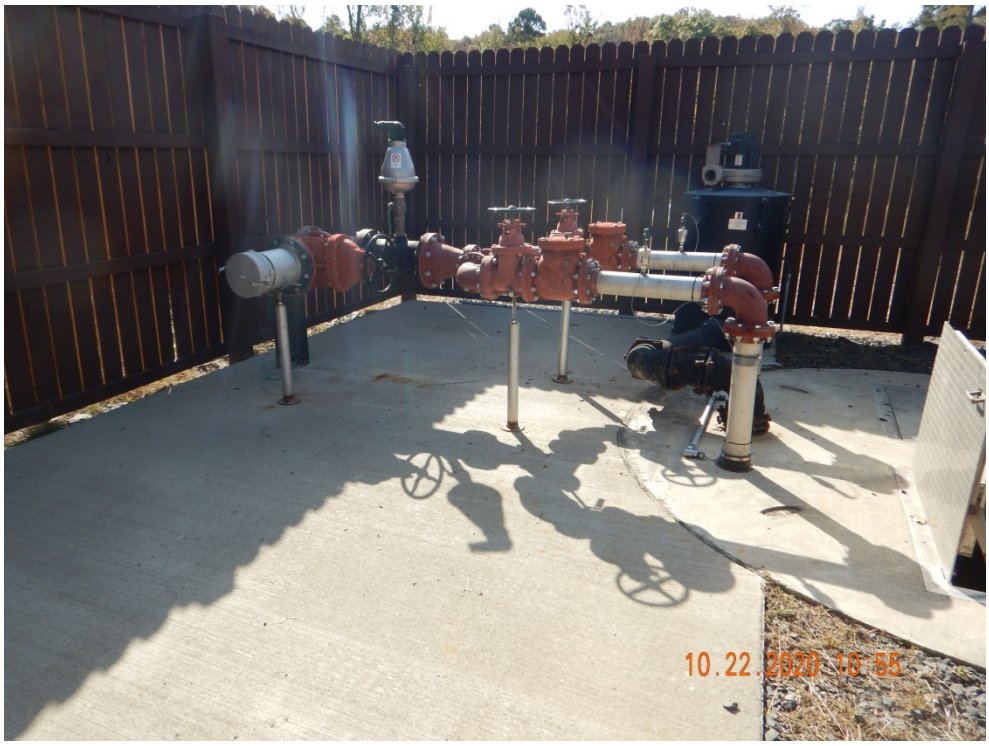


Office of Water Quality Photographic Evidence Sheet					
Location:	**Adams Field WRF**				
Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:57**
Witness:				Photo #:	**3**
Description:	**DSCN1579: Wet well with only a minor amount of grease balls floating.**				

Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:57**
Witness:				Photo #:	**4**
Description:	**DSCN1580: Closer view of wet well.**				



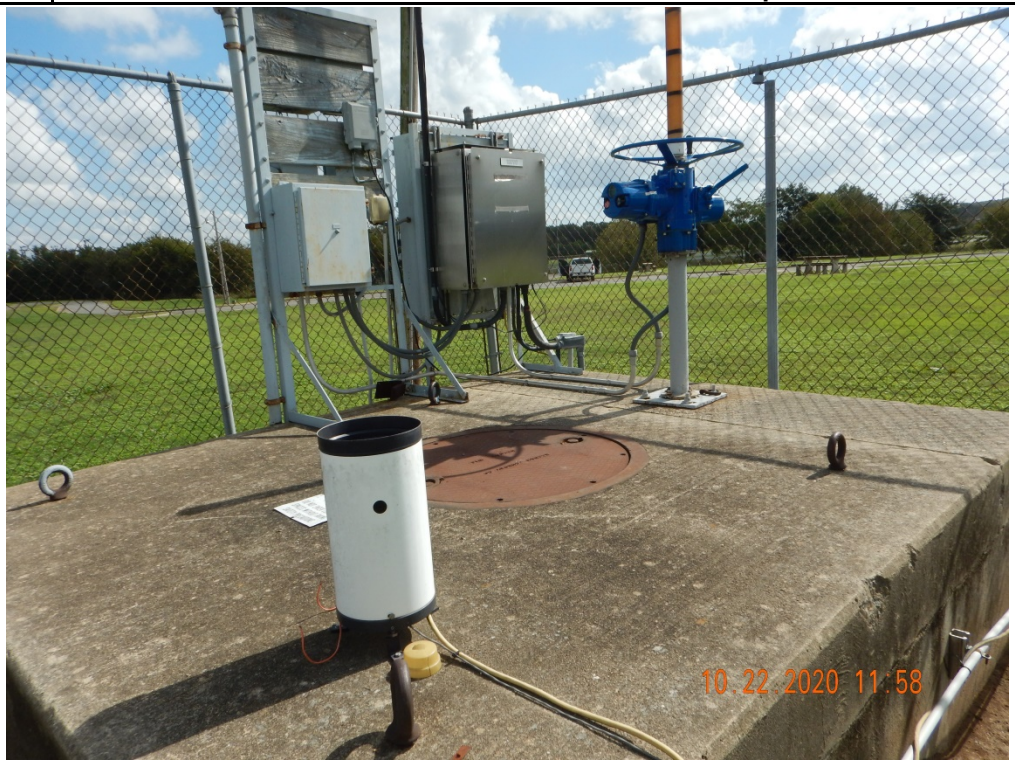
Office of Water Quality Photographic Evidence Sheet					
Location:	**Adams Field WRF**				
Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:55**
Witness:				Photo #:	**5**
Description:	**DSCN1575: Emergency pump connections.**				



Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**10:55**
Witness:				Photo #:	**6**
Description:	**DSCN1574: Inside of the pump station looking toward the Purafil air deodorizer.**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**Adams Field WRF**				
Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**11:56**
Witness:				Photo #:	**7**
Description:	**DSCN1587: Interstate Park Gates structure.**				

Photographer:	**Jason Bolenbaugh**	Date:	**10/22/2020**	Time:	**11:58**
Witness:				Photo #:	**8**
Description:	**DSCN1588: Interstate Park Gates structure and control panel.**				



Location of the Copper Run Pump Station and the Interstate Park Gate.