August 07, 2017

Bo Stanley
City of Tuscumbia
PO Box 29
Tuscumbia, AL 35674

We appreciate the opportunity to provide our services to you on this project. Please find attached the data for the sample(s) listed below:

LabNumber	Sample Description	Date/Time Collected	Date Submitted
1710509-01	Pipe-1	7/28/17 17:00	7/28/17

ENERSOLV is accredited to ISO/IEC 17025:2005 by Laboratory Accreditation Bureau and to the TNI 2003 Standard by the Florida Department of Health. Our quality system also meets relevant quality system requirements of ISO 9001:2008. Not all tests performed by *ENERSOLV* are covered by these accreditations. Tests within our scope of accreditation are indicated by an asterisk (*) in the Test Result section of this report. Tests not included in the accreditations are performed in accordance with *ENERSOLV* Standard Operating Procedures and the quality control program using, where applicable, USEPA methodology.

This cover page and the attached chain-of-custody record(s) are integral parts of your report. *ENERSOLV* considers this report your official record. This information shall remain in *ENERSOLV*'s active database for a period of one (1) calendar year before archiving. Any replacement of this information after archiving may result in an administrative fee to cover the cost of retrieval.

If you have any questions or would like more information regarding these analyses, please call us at (256) 350-0846.

Karen Sutton
Vice President Client Services

SAMPLE RESULTS REPORT

Report Date/Time: 08/07/2017 17:04

REPORT TO

Bo Stanley
City of Tuscumbia
PO Box 29
Tuscumbia, AL 35674

NELAP Accredited Florida DOH #E871078

ENERSOLV maintains National Environmental Laboratory Accreditation Program (NELAP) accreditation through Florida Department of Health (#E871078). Some tests included in this report may not be covered by this accreditation.

ENERSOLV also maintains ISO/IEC 17025 accreditation through Laboratory Accreditation Bureau for the specific tests listed in L-A-B Certificate #L2239 scope of accreditation.

Tests within the scope of accreditation are indicated by an asterisk (*).

Cert# L2239 Testing

ADEM Drinking Water Certification No. 40160

Analyte Name	Result	Units	Qual	Regulatory Limit
Sample Point: Pipe-1	**Sample ID: 1710509-01**	**Collected: 07/28/2017**		**Submitted: 07/28/2017**
Inorganics				
* HEM (Oil and Grease)	<5.00	mg/l		
* Total Suspended Solids	<2.50	mg/l		
On-Site Analysis				
* pH	8.1	su		

SAMPLE RESULTS REPORT

Report Date/Time: 08/07/2017 17:04

REPORT TO

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Cert# L2239 Testing

ADEM Drinking Water Certification No. 40160

All calculations are performed prior to rounding per EPA and *Standard Methods* requirements.

Data Qualifiers:

< Less than reporting limit

Analysis Information

Lab Number	Analysis	SpecificMethod	Analyst	Analysis Start Date/Time	Analysis End Date/Time
1710509-01	HEM (Oil and Grease)	EPA 1664A	JG	08/03/2017 10:30	
1710509-01	Total Suspended Solids	USGS I-3765-85	SH	08/01/2017 13:25	

The results contained in this report are only representative of the sample(s) received.

ENERSOLV
a Solutions Company

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD
2220 BELTLINE ROAD SW DECATUR, ALABAMA 35601
(256) 350-0846

www.enersolv.com

PAGE	1	of	1
MS4 Area - Srping Creek			

COMPANY/CLIENT NAME	CLIENT P.O. NUMBER	ENERSOLV PROJECT NUMBER
City of Tuscumbia		ENE 13502 RMCWHORTER
CLIENT POINT OF CONTACT	**CLIENT PHYSICAL ADDRESS**	**CITY/STATE/ZIP**
Bo Stanley	202 East 6th Street	Tuscumbia, AL 35674
CLIENT EMAIL	**PHONE NUMBER**	**OTHER INFORMATION**
bostan29@comcast.net	(256)386-5674	
SAMPLE COLLECTED BY	**EXPEDITED REPORT DELIVERY (SURCHARGE)**	
Ronnie Whorton	DATE DUE (REQUIRED)	

ENERSOLV LAB NUMBER	SAMPLE DESCRIPTION	SAMPLE TRANSFER/GRAB DATE	SAMPLE TRANSFER/GRAB TIME	GRAB	COMP	OG	TSS	pH
1710509-01	PIPE-1	7/26/17	17:00	X		X	X	X
	PIPE-2 ND			X		X	X	X
	PIPE-3 ND							
	PIPE-4 ND							
	PIPE-5 ND							
	PIPE-6 ND							

Comments:

Collector to complete shaded areas, as applicable

SAMPLE TEMPERATURE RECEIVED @ 2.6°C

SAMPLER INFORMATION		FIELD INFORMATION							
Start Date		pH su	8.06	TRC mg/l		DO mg/l		Temp deg C	
Start Time		Date	7/28/17	Date		Date		Date	
Stop Date		Time	17:22	Time		Time		Time	
Stop Time		Analyst		Analyst		Analyst		Analyst	
		SM 4500H+B		SM 4500-Cl D		SM 4500-O G		SM 2550B	

Qty	Type		Parameters
2	Glass WM 1000ml HCL Cool 6c	AB	OG
1	Poly Qrt Cool 6c	C	TSS

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	7/28/17	20:30						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

RECEIVED FOR LABORATORY USE BY: (SIGNATURE)	DATE	TIME	SAMPLE STATUS
	7/28/17	2050	☑ Accepted ☐ Rejected ☐ Accepted with Exception

Enersolv Field Calibration Record

Calibrated By: [illegible] Date: 7/28/17 Time: 1547

pH Meter Calibration - Equipment number: PH 305

	7.00 pH buffer Acc. Range 7.0 +/- 0.1	10.00pH buffer Acc. Range 10.0+/- 0.1	Acceptance Criteria met?	
			Yes	No
Value before calibration, s.u.	6.9	10.09		
Buffer Temp. before calibration, °C	25.0	25.0		
Value after calibration, s.u.	7.00	10.01		
Buffer Temp. after calibration, °C	25.0	25.0		
Reagent Number – Pre-calibration	EG71208	EG62164		
Reagent Number – Post-calibration	EG71208	EG62164		

pH Meter Post Cal. Date: 7/28/17 Time: 20:45 4.0 Buffer Cal., if required Date/time: _____ NA ☐

	7.00 pH buffer Acc. range 7.00+/- 0.2	10.0 pH buffer Acc. Range 10.00+/-0.2	4.00 pH buffer Acc. Range 4.00+/-0.1	
			Pre	Post
Value, s.u.	7.03	9.99		
Buffer Temp. °C	25.0	25.0		
Reagent Number	EG71208	EG62164		

Dissolved Oxygen Meter - Equipment Number: _____ NA ☐

	Oxygen meter reading	Calibration successful?
		Yes / No
Value before calibration, mg/L		
% Air Saturation / Slope		
Value after calibration, mg/L		

Turbidity Meter – Equipment number: 150 NA ☑

	1 NTU	10 NTU
Meter Reading Before Calibration, NTU		
Meter Reading After Calibration, NTU		
Turbidity Standard Reagent Number		

Conductivity Meter - Equipment Number: _____ NA ☐

Value of Conductivity Standard, uS	
Meter reading before calibration, uS	
Cell Constant Value	
Conductivity Standard Reagent Number	

Residual Chlorine Meter - Equipment Number: _____ NA ☑

Reagent numbers – Phenylarsine oxide (free & total) R - _____ pH 7 buffer (free) R - _____

pH 4 buffer (total) R- _____ Potassium iodide (total) _____ $KMnO_4$ LCS: S- _____

Circuit check (check one): OK _____ Needs Attention _____

KMnO4 LCS, mg/L Acceptance Limits 0.24 – 0.26mg/L Before _____ After _____

DPD Total Chlorine Reagent Pillows: R- _____

Hach DPD Standard Lot no. _____ Before: STD 1 _____ STD 2 _____ STD 3 _____

After: STD 1 _____ STD 2 _____ STD 3 _____

Cal check acceptance limits: (0.13 – 0.31) (0.75 - 0.95) (1.37 – 1.65)

For all field instruments: Calibration/Confirmation Interval: Prior to each use, but not more than daily
Calibration Environmental Conditions: Room temperature

Note: If equipment calibration fails to meet acceptance limits, the equipment must be taken out of service and tagged for repair.