

NO DISCHARGE JULY,
AUGUST, and September

Ken
10-11-12

Client: West Helena WWTP

Sample Number: 37487-01

Sample Description:

Date Reported: 7/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler		Date/Time	Sampler	06/05/12 16:35
06/05/12 12:15	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	6/5/2012 12:17:00 PM	RJH	28.9 degrees C
pH	4500-H+ B	6/5/2012 12:16:00 PM	RJH	9.72 pH Units
DO	4500-O c or g	6/5/2012 12:18:00 PM	RJH	6.03 mg/l
cBOD	5210 B			22.05 mg/l
TSS	2540 D			44.0 mg/l
Fecal Coliforms	9222 D			8 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37518-01

Sample Description:

Date Reported: 7/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time Received:

06/12/12 17:00

Grab	Composite
Date/Time	Date/Time
Sampler	Sampler
06/12/12 13:28	Ryan Hudgin

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	6/12/2012 1:30:00 PM	RJH	25.3 degrees C
pH	4500-H+ B	6/12/2012 1:29:00 PM	RJH	9.29 pH Units
DO	4500-O c or g	6/12/2012 1:31:00 PM	RJH	7.54 mg/l
cBOD	5210 B			19.14 mg/l
TSS	2540 D			30.0 mg/l
Fecal Coliforms	9222 D			120 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37586-01

Sample Description:

Date Reported: 7/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler		Date/Time	Sampler	06/22/12 14:00
06/22/12 11:22	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	6/22/2012 11:24:00 AM	RJH	31.4 degrees C
pH	4500-H+ B	6/22/2012 11:23:00 AM	RJH	9.54 pH Units
DO	4500-O c or g	6/22/2012 11:25:00 AM	RJH	10.60 mg/l
cBOD	5210 B			22.53 mg/l
TSS	2540 D			24.0 mg/l
Fecal Coliforms	9222 D			20 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37594-01

Sample Description:

Date Reported: 7/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler		Date/Time	Sampler	06/26/12 16:00
06/26/12 11:08	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	6/26/2012 11:10:00 AM	RJH	31.1 degrees C
pH	4500-H+ B	6/26/2012 11:09:00 AM	RJH	9.64 pH Units
DO	4500-O c or g	6/26/2012 11:11:00 AM	RJH	4.10 mg/l
cBOD	5210 B			16.50 mg/l
TSS	2540 D			10.0 mg/l
Fecal Coliforms	9222 D			12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	5.80 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records,
 and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: Charles Taylor

Date/Time Composite Taken: 6-04-12 / 10:00 To 16:00

Date/Time Grab Taken: 6/5/12 1215

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.72 1218 DO 6.03 1218

Flow +4831067

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: Charles Taylor Date/Time: 6-05-12

Received By: MB Date/Time: 6/5/12 1220

Relinquished By: MB Date/Time: 6/5/12 1630

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 6-11-12 / 10:00 To 16:00

Date/Time Grab Taken: 6/12/12 1328

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.29 1333 DO 7.54 1333

Flow 133.24

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 6-12-12

Received By: MB Date/Time: 6/12/12 1335

Relinquished By: MB Date/Time: 6/12/12 1700

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 6/22/12 / 10:00 To 16:00

Date/Time Grab Taken: 6/22/12 1122

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.54 1125 DO 10.60 1125

Flow _____

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 6-22-12 / 1122

Received By: [Signature] Date/Time: 6/22/12 1122

Relinquished By: [Signature] Date/Time: 6/22/12 1400

Received By: _____ Date/Time: _____

Comments: _____

SL-57.12

pH calibration: actual/observed 7.00 → 7.00 actual observed 10.00 → 10.00
Dissolved Oxygen calibration: zero Full Scale Elevation 500



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 6-25-12 / 10:00 To 16:00

Date/Time Grab Taken: 6/26/12 1108 MB

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.64 1112 DO 4.10

Flow +6613569 gal/min

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 6-26-12 /

Received By: MB Date/Time: 6/26/12 1120

Relinquished By: MB Date/Time: 6/26/12 1600

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



SEWJUN12

Date	WATER	TEMP	RAIN	DISCHARGE	
1	1173000	76	0.00	323000	
2	1118000	81	0.00	323000	
3	757000	92	0.00	323000	
4	948000	90	0.00	420000	
5	985000	89	0.00	425000	
6	924000	88	0.00	322000	
7	1045000	85	0.00	241000	BILL MILES
8	1016000	89	0.00	153000	1-501-376-4677
9	1009000	88	0.00	153000	
10	981000	84	0.00	153000	
11	1038000	90	1.10	139000	
12	885000	88	1.40	672000	
13	953000	88	0.00	522000	
14	961000	90	0.00	687000	
15	998000	93	0.00	664000	
16	963000	91	0.70	664000	
17	929000	91	0.00	573000	
18	1023000	92	0.00	515000	
19	1060000	93	0.00	309000	
20	1021000	93	0.00	310000	
21	1078000	94	0.00	229000	
22	1064000	92	0.00	78000	M146 C147 .7%L
23	1059000	95	0.00	78000	
24	1014000	97	0.00	78000	
25	1308000	101	0.00	000	
26	1384000	93	0.00	000	
27	1165000	96	0.00	000	
28	1204000	102	0.00	000	
29	1309000	103	0.00	000	
30	1173000	102	0.00	000	
totals	31,545,000		3.20	8,354,000	
AVG	1,051,500			278,467	

Client: West Helena WWTP

Sample Number: 37318-01

Sample Description:

Date Reported: 6/6/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

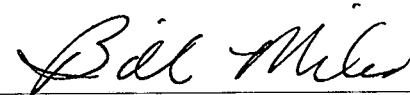
QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		05/01/12 14:45
05/01/12 11:22	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	5/1/2012 11:24:00 AM	RJH	28.0 degrees C
pH	4500-H+ B	5/1/2012 11:23:00 AM	RJH	10.32 pH Units
DO	4500-O c or g	5/1/2012 11:25:00 AM	RJH	16.90 mg/l
cBOD	5210 B	5/2/2012 7:00:00 AM		8.82 mg/l
TSS	2540 D	5/3/2012 7:30:00 AM		30.0 mg/l
Fecal Coliforms	9222 D	5/1/2012 2:45:00 PM		8 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	5/1/2012 3:00:00 PM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37355-01

Sample Description:

Date Reported: 6/6/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Grab	Composite	Date/Time Received:
Date/Time	Date/Time	05/08/12 14:30
05/08/12 11:14	Ryan Hudgin	

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	5/8/2012 11:16:00 AM	RJH	26.7 degrees C
pH	4500-H+ B	5/8/2012 11:15:00 AM	RJH	10.07 pH Units
DO	4500-O c or g	5/8/2012 11:17:00 AM	RJH	9.80 mg/l
cBOD	5210 B			8.94 mg/l
TSS	2540 D			20.0 mg/l
Fecal Coliforms	9222 D			4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37393-01

Sample Description:

Date Reported: 6/6/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples


QA Frequency: Minimum of 10% Spikes and Duplicates

Grab	Composite	Date/Time Received:
Date/Time	Date/Time	05/15/12 15:15
05/15/12 10:30	Ryan Hudgin	

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	5/15/2012 10:32:00 AM	RJH	24.4 degrees C
pH	4500-H+ B	5/15/2012 10:31:00 AM	RJH	10.01 pH Units
DO	4500-O c or g	5/15/2012 10:33:00 AM	RJH	13.29 mg/l
cBOD	5210 B			10.11 mg/l
TSS	2540 D			32.0 mg/l
Fecal Coliforms	9222 D			4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	1.03 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:

Sample Number: 37433-01
 Date Reported: 6/6/2012

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Grab	Composite	Date/Time Received:
Date/Time	Date/Time	05/22/12 14:15
05/22/12 10:03	05/22/12 10:03	
Sampler	Sampler	
Ryan Hudgin	Ryan Hudgin	

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	5/22/2012 10:05:00 AM	RJH	20.6 degrees C
pH	4500-H+ B	5/22/2012 10:04:00 AM	RJH	8.58 pH Units
DO	4500-O c or g	5/22/2012 10:06:00 AM	RJH	7.04 mg/l
cBOD	5210 B			17.52 mg/l
TSS	2540 D			10.0 mg/l
Fecal Coliforms	9222 D			<4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records,
 and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37464-01

Sample Description:

Date Reported: 6/6/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		05/29/12 16:10
05/29/12 11:50	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	5/29/2012 11:52:00 AM	MB	29.3 degrees C
pH	4500-H+ B	5/29/2012 11:51:00 AM	MB	9.09 pH Units
DO	4500-O c or g	5/29/2012 11:53:00 AM	MB	10.23 mg/l
cBOD	5210 B		MB	18.18 mg/l
TSS	2540 D		MB	10.0 mg/l
Fecal Coliforms	9222 D		MB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 4-30-12 / 10:00 To 16:00

Date/Time Grab Taken: 5-1-12 1122

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 10.30 1130 DO 16.90 1130

Flow 76.19

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 5-01-12 / 1131

Received By: Lisa Bump Date/Time: 5-1-12 1131

Relinquished By: Lisa Bump Date/Time: 5-1-12 1445

Received By: _____ Date/Time: _____

Comments: _____

51-58.19

pH calibration: actual/observed 7.01 → 7.00 actual observed 10.02 → 10.02

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 5-07-12 / 10:00 To 16:00

Date/Time Grab Taken: 5-8-12 1114

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 10.07 1119 DO 9.80 1119

Flow 109.3

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 5-08-12 / 1120

Received By: Jisa B. apt Date/Time: 5-8-12 1120

Relinquished By: Jisa B. apt Date/Time: 5-8-12 1430

Received By: _____ Date/Time: _____

Comments: _____

(51-5791)

pH calibration: actual/observed 7.01 > 7.00 actual observed 10.03 > 10.01

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Pratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 5-14-12 / 10:00 To 16:00

Date/Time Grab Taken: 5-15-12 1030

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 10.01 1036 DO 13.29 1037

Flow 343.1

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 5-15-12 / 1037

Received By: Lisa Bupat Date/Time: 5-15-12 1037

Relinquished By: Lisa Bupat Date/Time: 5-15-12 1515

Received By: _____ Date/Time: _____

Comments: _____

51-57.93

pH calibration: actual/observed 6.9977.00 actual observed 10.02710.02

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 5-21-12 / 10=00 To 16=00

Date/Time Grab Taken: 5/22/12 1003 728

Number of Containers: 2

Sample ID/Location: 001 OUTFALL 3613248

pH 8.58 1008 DO ~~7.04~~ 7.04 1008

Flow _____

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 5-22-12 /

Received By: MB Date/Time: 5/22/12 1010

Relinquished By: MB Date/Time: 5/22/12 1415

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 5-28-12 / 10:00 To 16:00

Date/Time Grab Taken: 5/29/12 1150 MB

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.09 1155 DO 10.23 1155

Flow 103.29

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 5-29-12 0900

Received By: MB Date/Time: 5/29/12 1200

Relinquished By: MB Date/Time: 5/29/12 1610

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

SEWMAY2012

Date	WATER	TEMP	RAIN	DISCHARGE
1	1097000	89	0.00	147000
2	1005000	89	0.10	127000
3	1062000	86	0.00	110000 M-70 C-72
4	820000	91	0.00	85000 3% LOW
5	1271000	91	0.00	85000
6	1030000	92	0.00	86000
7	1055000	88	0.60	161000 BILL MILES
8	961000	82	0.10	170000 1-501-376-4677
9	1001000	79	0.00	145000
10	926000	78	0.00	130000
11	1034000	82	0.00	250000
12	705000	80	0.30	250000
13	919000	81	0.00	252000
14	969000	81	0.00	441000
15	890000	83	0.00	449000
16	943000	85	0.00	362000
17	1031000	89	0.00	265000
18	967000	89	0.00	166000
19	1119000	89	0.00	166000
20	871000	90	0.00	166000
21	1050000	84	0.00	91000
22	1024000	80	0.00	200000
23	1163000	86	0.00	53000
24	827000	91	0.00	15000
25	1147000	92	0.00	0000000
26	1085000	96	0.00	0000000
27	1059000	96	0.00	0000000
28	1137000	95	0.00	2000
29	1384000	95	0.00	0000000
30	803000	90	1.60	50000
31	1007000	84	1.00	188000
totals	31,362,000		3.70	4,612,000
AVG	1,011,677			148,774

NON-COMPLIANCE NOTIFICATION

FROM: West Helena Water Utilities DATE: 5-18-12

92 PLAZA
West Helena, Ar.
72390

PERMIT NO. AR0022021

TO: NPDES Enforcement
ADEQ
5301 Northshore Dr.
N. Little Rock, Ar. 72118

1. DISCHARGE DESCRIPTION 001

2. NON-COMPLIANCE DESCRIPTION:

1st Quarter Biomonitoring not performed by Lab.

3. CAUSE FOR NON-COMPLIANCE:

Oversight by Lab personnel.

4. DURATION OF NON-COMPLIANCE: 1st Qtr.

5. CORRECTIVE ACTION BEING TAKEN:

2nd, 3rd, & 4th Quarter testing is scheduled. 2nd Quarter is already tested & passed.

SIGNATURE:

Ken Jeter

5-23-2012

Client: West Helena WWTP

Sample Number: 37153-01

Sample Description:

Date Reported: 5/3/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
04/03/12 11:17	Ryan Hudgin			04/03/12 14:30

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	4/3/2012 11:19:00 AM	RJH	25.0 degrees C
pH	4500-H+ B	4/3/2012 11:18:00 AM	RJH	9.25 pH Units
DO	4500-O c or g	4/3/2012 11:20:00 AM	RJH	11.23 mg/l
cBOD	5210 B	4/4/2012 7:30:00 AM	SD	7.74 mg/l
TSS	2540 D	4/4/2012 8:20:00 AM	LB	16.0 mg/l
Fecal Coliforms	9222 D	4/3/2012 2:30:00 PM	LB	4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	4/4/2012 8:15:00 AM	RJH	1.49 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
Sample Description:
Sample Location: effluent
Permit Number:
References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
QA Frequency: Minimum of 10% Spikes and Duplicates


Sample Number: 37191-01
Date Reported: 5/3/2012

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
04/10/12 11:35	Ryan Hudgin			04/10/12 15:00

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	4/10/2012 11:37:00 AM	RJH	24.0 degrees C
pH	4500-H+ B	4/10/2012 11:36:00 AM	RJH	9.37 pH Units
DO	4500-O c or g	4/10/2012 11:38:00 AM	RJH	10.42 mg/l
cBOD	5210 B	4/11/2012 7:15:00 AM	SD	4.89 mg/l
TSS	2540 D	4/12/2012 7:20:00 AM	LB	16.0 mg/l
Fecal Coliforms	9222 D	4/10/2012 3:00:00 PM	LB	<4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	4/10/2012 3:00:00 PM	RJH	1.98 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records,
and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37231-01

Sample Description:

Date Reported: 5/3/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
04/17/12 11:09	Ryan Hudgin			04/17/12 14:30

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	4/17/2012 11:11:00 AM	RJH	19.5 degrees C
pH	4500-H+ B	4/17/2012 11:10:00 AM	RJH	9.59 pH Units
DO	4500-O c or g	4/17/2012 11:12:00 AM	RJH	11.40 mg/l
cBOD	5210 B	4/18/2012 7:15:00 AM	SD	9.54 mg/l
TSS	2540 D	4/18/2012 7:45:00 AM	LB	26.0 mg/l
Fecal Coliforms	9222 D	4/17/2012 2:30:00 PM	LB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	4/17/2012 8:45:00 AM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

Sample Number: 37273-01
 Date Reported: 5/3/2012

Grab	Composite	Date/Time Received:
Date/Time	Date/Time	04/24/12 13:40
04/24/12 10:33	Ryan Hudgin	

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	4/24/2012 10:35:00 AM	RJH	19.8 degrees C
pH	4500-H+ B	4/24/2012 10:34:00 AM	RJH	10.14 pH Units
DO	4500-O c or g	4/24/2012 10:36:00 AM	RJH	11.37 mg/l
cBOD	5210 B		SD	10.92 mg/l
TSS	2540 D		LB	58.0 mg/l
Fecal Coliforms	9222 D		LB	<4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Pratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 4-02-12 / 10:00 To 16:00

Date/Time Grab Taken: 4-3-12 1117

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.25 1123 DO 11.23 1123

Flow 864.6

Container	Plastic/Glass	Preservation
<u>1</u>	<u>P</u>	<u>COMPOSITE ICE, 4°C BOD, TSS</u>
<u>2</u>	<u>WP</u>	<u>GRAB ICE, NH₃-N, FC</u>
<u>3</u>		
<u>4</u>		
<u>5</u>		

Relinquished By: CHARLES TAYLOR Date/Time: 4-03-12 1125

Received By: Lisa Bumat Date/Time: 4-3-12 1125

Relinquished By: Lisa Bumat Date/Time: 4-3-12 1430

Received By: _____ Date/Time: _____

Comments: _____

51-58-57'

pH calibration: actual/observed 6.95 → 7.00 actual observed 10.03 → 10.01

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 4-09-12 / 10:00 To 16:00

Date/Time Grab Taken: 4-10-12 1135

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.37 1140 DO 20.42 1140

Flow 478.8

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 4-10-12 / 1141

Received By: Lisa Bupt Date/Time: 4-10-12 1141

Relinquished By: Lisa Bupt Date/Time: 4-10-12 1500

Received By: _____ Date/Time: _____

Comments: _____

51-57.84

pH calibration: actual/observed 7.01 → 7.00 actual observed 10.01 → 10.02

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 4-16-12 / 10:00 To 16:00

Date/Time Grab Taken: 4-17-12 1109

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.59 1112 DO 11.40 1112

Flow _____

Container	Plastic/Glass	Preservation
-----------	---------------	--------------

1	P	COMPOSITE ICE, 4°C BOD, TSS
---	---	-----------------------------

2	WP	GRAB ICE, NH ₃ -N, FC
---	----	----------------------------------

3		
---	--	--

4		
---	--	--

5		
---	--	--

Relinquished By: CHARLES TAYLOR Date/Time: 4-17-12 1116

Received By: Lisa Burt Date/Time: 4-17-12 1116

Relinquished By: Lisa Burt Date/Time: 4-17-12 1430

Received By: _____ Date/Time: _____

Comments: _____

51-58.20

pH calibration: actual/observed 6.99 > 7.01 actual observed 10.04 > 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 4-23-12 / 10:00 To 16:00

Date/Time Grab Taken: 4-24-12 1033

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 10.14 1038 DO 21.37 1038

Flow 297.9

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 4-24-12 / 1040

Received By: Lisa Bump Date/Time: 4-24-12 1040

Relinquished By: Lisa Bump Date/Time: 4-24-12 1340

Received By: _____ Date/Time: _____

Comments: _____

51-59.17

pH calibration: actual/observed 6.89 > 7.01 actual observed 10.10 > 10.04

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



SEWAPR2012

Date	WATER	TEMP	RAIN	DISCHARGE
1	1228000	89	0.00	1301000
2	1005000	87	0.00	1381000
3	963000	81	0.40	1239000
4	1048000	80	0.00	1109000 M899 C877
5	859000	74	0.20	1048000 <2% HIGH
6	998000	69	0.00	1220000
7	1011000	76	0.00	1220000 BILL MILES
8	1038000	77	0.00	1220000 1-501-376-4677
9	1110000	78	0.00	739000
10	839000	76	0.00	580000
11	1337000	76	0.00	419000
12	841000	76	0.00	419000
13	1079000	79	0.00	400000
14	953000	82	0.00	400000
15	1048000	84	0.00	492000
16	948000	77	0.00	519000
17	1000000	71	0.00	564000
18	866000	75	0.00	564000
19	889000	80	0.00	586000
20	893000	76	0.20	586000
21	913000	67	0.00	586000
22	985000	70	0.00	585000
23	916000	65	0.00	439000
24	928000	75	0.00	410000
25	993000	81	0.00	351000
26	885000	85	0.00	422000
27	910000	82	0.00	330000
28	992000	84	0.00	330000
29	1019000	85	0.00	330000
30	881000	87	0.00	209000
31	000000	00	0.00	0000000
totals	29,375,000		0.80	19,998,000
AVG	979,167			666,667

Client: West Helena WWTP

Sample Number: 36985-01

Sample Description:

Date Reported: 4/4/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples


QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		03/06/12 15:00
03/06/12 10:55	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	3/6/2012 10:57:00 AM	RJH	15.5 degrees C
pH	4500-H+ B	3/6/2012 10:56:00 AM	RJH	8.28 pH Units
DO	4500-O c or g	3/6/2012 10:58:00 AM	RJH	10.65 mg/l
cBOD	5210 B	3/7/2012 7:00:00 AM	SD	5.73 mg/l
TSS	2540 D	3/8/2012 8:00:00 AM	LB	8.0 mg/l
Fecal Coliforms	9222 D	3/6/2012 3:00:00 PM	LB	68 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	3/6/2012 3:00:00 PM	RJH	7.20 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.


 Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37031-01

Sample Description:

Date Reported: 4/4/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

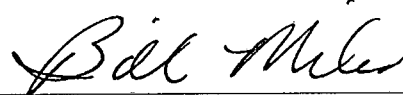
QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		03/13/12 15:10
03/13/12 10:56	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	3/13/2012 10:58:00 AM	RJH	20.2 degrees C
pH	4500-H+ B	3/13/2012 10:57:00 AM	RJH	8.33 pH Units
DO	4500-O c or g	3/13/2012 10:59:00 AM	RJH	10.17 mg/l
cBOD	5210 B	3/14/2012 7:45:00 AM	SD	8.52 mg/l
TSS	2540 D	3/14/2012 8:30:00 AM	LB	10.0 mg/l
Fecal Coliforms	9222 D	3/13/2012 3:10:00 PM	LB	4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	3/13/2012 8:00:00 AM	RJH	2.78 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37074-01

Sample Description:

Date Reported: 4/4/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		03/20/12 16:00
03/20/12 12:17	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	3/20/2012 12:19:00 PM	RJH	22.4 degrees C
pH	4500-H+ B	3/20/2012 12:18:00 PM	RJH	8.73 pH Units
DO	4500-O c or g	3/20/2012 12:20:00 PM	RJH	12.43 mg/l
cBOD	5210 B	3/21/2012 7:30:00 AM	SD	6.18 mg/l
TSS	2540 D	3/21/2012 9:30:00 AM	LB	24.0 mg/l
Fecal Coliforms	9222 D	3/20/2012 4:00:00 PM	LB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	3/21/2012 8:15:00 AM	RJH	4.06 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 37114-01

Sample Description:

Date Reported: 4/4/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite	
Date/Time	Sampler	Date/Time	Sampler	Date/Time Received:
03/27/12 11:12	Ryan Hudgin			03/27/12 14:30

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	3/27/2012 11:14:00 AM	RJH	23.5 degrees C
pH	4500-H+ B	3/27/2012 11:13:00 AM	RJH	9.17 pH Units
DO	4500-O. c or g	3/27/2012 11:15:00 AM	RJH	20.03 mg/l
cBOD	5210 B		SD	11.82 mg/l
TSS	2540 D		LB	24.0 mg/l
Fecal Coliforms	9222 D		LB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	2.70 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Pratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 3-19-12 / 10:00 To 16:00

Date/Time Grab Taken: 3-20-12 1217

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.73 1222 DO 12.45 1222

Flow 1179

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 3-20-12 / 1222

Received By: Lisa Burt Date/Time: 3-20-12 1222

Relinquished By: Lisa Burt Date/Time: 3-20-12 1600

Received By: _____ Date/Time: _____

Comments: _____

(51-58.32)

pH calibration: actual/observed 7.00 > 7.00 actual observed 10.03 > 10.02

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 3-26-12 / 10:00 To 16:00

Date/Time Grab Taken: 3-27-12 11:2

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.17 11:20 DO 20.03 11:20

Flow 1044

Container	Plastic/Glass	Preservation
<u>1</u>	<u>P</u>	<u>COMPOSITE ICE, 4°C BOD, TSS</u>
<u>2</u>	<u>WP</u>	<u>GRAB ICE, NH₃-N, FC</u>
<u>3</u>		
<u>4</u>		
<u>5</u>		

Relinquished By: CHARLES TAYLOR Date/Time: 3-27-12 11:21

Received By: Lisa Bump Date/Time: 3-27-12 11:21

Relinquished By: Lisa Bump Date/Time: 3-27-12 14:30

Received By: _____ Date/Time: _____

Comments: _____

51-58.07

pH calibration: actual/observed 7.02 → 7.00 actual observed 10.01 → 10.03

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 3-12-12 / 10:00 To 16:00

Date/Time Grab Taken: 3-13-12 1156

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.33 1103 DO 10.17 1102

Flow 829.8

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 3-13-12 / 1103

Received By: Lisa Bunt Date/Time: 3-13-12 1103

Relinquished By: Lisa Bunt Date/Time: 3-13-12 1510

Received By: _____ Date/Time: _____

Comments: _____

51-58.41

pH calibration: actual/observed 6.97 → 7.01 actual observed 10.06 → 10.04

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 3-05-12 / 10:00 to 16:00

Date/Time Grab Taken: 3-6-12 1055

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.28 1101 DO 10.65 1100

Flow 420.2

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 3-06-12 / 1101

Received By: Lisa Bupt Date/Time: 3-6-12 1101

Relinquished By: Lisa Bupt Date/Time: 3-6-12 1500

Received By: _____ Date/Time: _____

Comments: _____

51-59.05

pH calibration: actual/observed 7.00 > 7.01 actual observed 10.01 > 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



Client: West Helena WWTP

Sample Number: 36910-01

Sample Description:

Date Reported: 3/1/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples


QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		02/21/12 14:50
02/21/12 11:23	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	2/21/2012 11:25:00 AM	RJH	12.5 degrees C
pH	4500-H+ B	2/21/2012 11:24:00 AM	RJH	8.07 pH Units
DO	4500-O c or g	2/21/2012 11:26:00 AM	RJH	9.81 mg/l
cBOD	5210 B		SD	4.20 mg/l
TSS	2540 D		LB	12.0 mg/l
Fecal Coliforms	9222 D		LB	10 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	4.07 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.


 Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

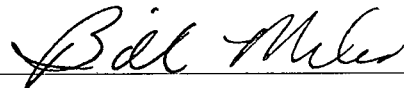
Sample Number: 36865-01
 Date Reported: 3/1/2012

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		02/14/12 15:00
02/14/12 11:40	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	2/14/2012 11:42:00 AM	RJH	7.0 degrees C
pH	4500-H+ B	2/14/2012 11:41:00 AM	RJH	8.21 pH Units
DO	4500-O c or g	2/14/2012 11:43:00 AM	RJH	11.23 mg/l
cBOD	5210 B	2/15/2012 7:10:00 AM	SD	6.96 mg/l
TSS	2540 D	2/16/2012 8:30:00 AM	LB	18.0 mg/l
Fecal Coliforms	9222 D	2/14/2012 3:00:00 PM	LB	320 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	2/15/2012 8:15:00 AM	RJH	3.45 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36950-02

Sample Description:

Date Reported: 3/5/2012

Sample Location: influent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		02/28/12 14:10
02/28/12 11:09					

Parameter	Reference	Test Date/Time	Initials	Result
BOD 5 day				
BOD	5210 B			105.6 mg/l
Total Suspended Solids				
TSS	2540 D			48.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36950-01

Sample Description:

Date Reported: 3/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		02/28/12 14:10
02/28/12 11:09	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	2/28/2012 11:11:00 AM	RJH	15.4 degrees C
pH	4500-H+ B	2/28/2012 11:10:00 AM	RJH	8.02 pH Units
DO	4500-O c or g	2/28/2012 11:12:00 AM	RJH	8.69 mg/l
cBOD	5210 B		SD	5.91 mg/l
TSS	2540 D		LB	8.0 mg/l
Fecal Coliforms	9222 D		LB	38 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	9.86 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 2-06-12 / 10:00 To 16:00

Date/Time Grab Taken: 2-7-12 1106

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.64 1113 DO 14.29 1112

Flow 847.5

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 2-07-12 / 1112

Received By: Jisa Bupt Date/Time: 2-7-12 1112

Relinquished By: Jisa Bupt Date/Time: 2-7-12 1420

Received By: _____ Date/Time: _____

Comments: _____

51-58.01

pH calibration: actual/observed 7.06 > 7.07 actual observed 10.03 > 10.06
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 2-13-12 / 10:00 To 16:00

Date/Time Grab Taken: 2-14-12 1140

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.21 1146 DO 11.23 1145

Flow 744.7

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 2-14-12 / 1146

Received By: Lisa Burt Date/Time: 2-14-12 1146

Relinquished By: Lisa Burt Date/Time: 2-14-12 1500

Received By: _____ Date/Time: _____

Comments: _____

51-58.56

pH calibration: actual/observed 7.11 > 7.01 actual observed 10.06 > 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 2-20-12 / 10:00 To 16:00

Date/Time Grab Taken: 2-21-12 1123

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.07 1129 DO 2.81 1128

Flow 67.6

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 2-21-12-1129

Received By: Lisa Bump Date/Time: 2-21-12 1129

Relinquished By: Lisa Bump Date/Time: 2-21-12 1450

Received By: _____ Date/Time: _____

Comments: _____

51-59.17

pH calibration: actual/observed 6.93 → 7.01 actual observed 10.10 → 10.05
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 2-27-12 / 10:00 To 16:00

Date/Time Grab Taken: 2-28-12 1109

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.02 1116 DO 8.69 1114

Flow 730.2

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3	P	GRAB INFLOW
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 2-28-12 1116

Received By: Jisa Buxat Date/Time: 2-28-12 1116

Relinquished By: Jisa Buxat Date/Time: 2-28-12 1410

Received By: _____ Date/Time: _____

Comments: _____

51-5845

pH calibration: actual/observed 7.12 > 7.01 actual observed 9.89 > 10.00

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: W. Helena Inf

Contact: _____

Address: _____

Telephone: _____

Date/Time Composite Taken: _____ Sampler: _____

Date/Time Grab Taken: 2-28-11 1115 Sampler: 18

Number of Containers: _____

Sample ID/Location: _____

pH _____ DO _____

Flow _____

Container	Plastic/Glass	Type of sample	Preservation	Parameters
1	P	grab	4°C	BOD, TSS
2				
3				
4				
5				

Relinquished By: Lisa Dupat Date/Time: 2-28-12 1410

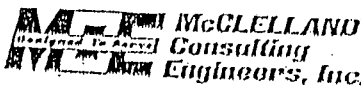
Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
 Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



Client: West Helena WWTP

Sample Number: 36950-01

Sample Description:

Date Reported: 3/5/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

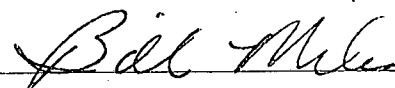
QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		02/28/12 14:10
02/28/12 11:09	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	2/28/2012 11:11:00 AM	RJH	15.4 degrees C
pH	4500-H+ B	2/28/2012 11:10:00 AM	RJH	8.02 pH Units
DO	4500-O c or g	2/28/2012 11:12:00 AM	RJH	8.69 mg/l
cBOD	5210 B		SD	5.91 mg/l
TSS	2540 D		LB	8.0 mg/l
Fecal Coliforms	9222 D		LB	38 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	9.86 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36836-01

Sample Description:

Date Reported: 3/1/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

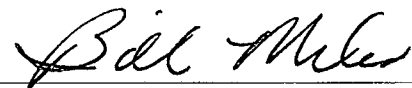
QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
02/07/12 11:06	Ryan Hudgin			02/07/12 14:20

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	2/7/2012 11:08:00 AM	RJH	12.6 degrees C
pH	4500-H+ B	2/7/2012 11:07:00 AM	RJH	8.64 pH Units
DO	4500-O c or g	2/7/2012 11:09:00 AM	RJH	14.29 mg/l
cBOD	5210 B	2/8/2012 7:00:00 AM	SD	7.80 mg/l
TSS	2540 D	2/8/2012 12:30:00 PM	LB	20.0 mg/l
Fecal Coliforms	9222 D	2/7/2012 2:20:00 PM	LB	72 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	2/8/2012 8:15:00 AM	RJH	5.70 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36622-01

Sample Description:

Date Reported: 2/7/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
01/03/12 11:22	Ryan Hudgin			01/03/12 16:00

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	1/3/2012 11:24:00 AM	RJH	7.7 degrees C
pH	4500-H+ B	1/3/2012 11:23:00 AM	RJH	7.31 pH Units
DO	4500-O c or g	1/3/2012 11:25:00 AM	RJH	9.98 mg/l
cBOD	5210 B	1/4/2012 6:45:00 AM	SD	5.64 mg/l
TSS	2540 D	1/6/2012 8:00:00 AM	LB	2.0 mg/l
Fecal Coliforms	9222 D	1/3/2012 4:00:00 PM	LB	8 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	1/4/2012 8:15:00 AM	RJH	8.20 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

MCE McCLELLAND
CONSULTING
ENGINEERS, INC.

DESIGNED TO SERVE
 501-378-7808 FAX 501-376-4522

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

Sample Number: 36668-01
 Date Reported: 2/7/2012

Parameter	Grab		Composite		Date/Time Received:	
	Date/Time	Sampler	Date/Time	Sampler	01/10/12 16:10	
	01/10/12 11:14	Ryan Hudgin				
Parameter	Reference	Test Date/Time	Initials	Result		
Basic WW						
Temperature	2550 B	1/10/2012 11:16:00 AM	RJH	11.7 degrees C		
pH	4500-H+ B	1/10/2012 11:15:00 AM	RJH	7.67 pH Units		
DO	4500-O c or g	1/10/2012 11:17:00 AM	RJH	7.66 mg/l		
cBOD	5210 B	1/11/2012 8:30:00 AM	SD	4.38 mg/l		
TSS	2540 D	1/11/2012 12:00:00 PM	LB	4.0 mg/l		
Fecal Coliforms	9222 D	1/10/2012 4:10:00 PM	LB	<4 Col/100 mls		
Ammonia, NH3-N	4500-NH3 B,C	1/11/2012 8:15:00 AM	RJH	3.65 mg/l		

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36717-01

Sample Description:

Date Reported: 2/7/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
	Date/Time	Sampler	Date/Time	Sampler	01/17/12 15:00
	01/17/12 10:45	Ryan Hudgin			

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	1/17/2012 10:47:00 AM	RJH	14.1 degrees C
pH	4500-H+ B	1/17/2012 10:46:00 AM	RJH	8.06 pH Units
DO	4500-O c or g	1/17/2012 10:48:00 AM	RJH	10.42 mg/l
cBOD	5210 B	1/18/2012 7:45:00 AM	SD	11.19 mg/l
TSS	2540 D	1/19/2012 7:55:00 AM	LB	6.0 mg/l
Fecal Coliforms	9222 D	1/17/2012 3:00:00 PM	LB	8 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	1/17/2012 2:15:00 PM	RJH	8.43 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates


Sample Number: 36753-01
 Date Reported: 2/7/2012

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		01/24/12 13:30
01/24/12 10:42	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	1/24/2012 10:44:00 AM	RJH	11.7 degrees C
pH	4500-H+ B	1/24/2012 10:43:00 AM	RJH	7.82 pH Units
DO	4500-O c or g	1/24/2012 10:45:00 AM	RJH	9.47 mg/l
cBOD	5210 B	1/25/2012 7:15:00 AM	SD	22.26 mg/l
TSS	2540 D	1/25/2012 7:30:00 AM	LB	6.0 mg/l
Fecal Coliforms	9222 D	1/24/2012 1:30:00 PM	LB	<4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	1/24/2012 7:30:00 AM	RJH	4.86 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

MCE McCLELLAND CONSULTING ENGINEERS, INC.

DESIGNED TO SERVE
501-378-7808 FAX 501-376-4522

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

Sample Number: 36788-01
 Date Reported: 2/7/2012

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		01/31/12 13:00
01/31/12 10:22	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	1/31/2012 10:24:00 AM	RJH	12.1 degrees C
pH	4500-H+ B	1/31/2012 10:23:00 AM	RJH	8.21 pH Units
DO	4500-O c or g	1/31/2012 10:25:00 AM	RJH	11.80 mg/l
cBOD	5210 B	2/1/2012 7:20:00 AM	SD	11.28 mg/l
TSS	2540 D	2/2/2012 12:15:00 PM	LB	10.0 mg/l
Fecal Coliforms	9222 D	1/31/2012 1:00:00 PM	LB	20 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	1/31/2012 8:15:00 AM	RJH	5.98 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 1-02-12 / 10:00 To 16:00

Date/Time Grab Taken: 1-3-12 1128

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 7.31 1128 DO 9.98 1128

Flow 724.6

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 1-03-12 1130

Received By: Lisa Bunt Date/Time: 1-3-12 1130

Relinquished By: Lisa Bunt Date/Time: 1-3-12 1600

Received By: _____ Date/Time: _____

Comments: _____

51-57.99

pH calibration: actual/observed 7.04 → 7.02 actual observed 11.04 → 10.06

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 1-09-12 / 10:00 To 16:00

Date/Time Grab Taken: 1-10-12 1114

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 7.67 1120 DO 2.66 1119

Flow 765.4

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: Charles Taylor Date/Time: 1-10-12 / 1120

Received By: Lisa Supt Date/Time: 1-10-12 1120

Relinquished By: Lisa Supt Date/Time: 1-10-12 1610

Received By: _____ Date/Time: _____

Comments: _____

51-58.89

pH calibration: actual/observed 7.00 → 7.01 actual observed 10.06 → 10.05
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 1-16-12 / 10:00 To 16:00

Date/Time Grab Taken: 1-17-12 1045

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.06 1051 DO 10.42 1050

Flow 581.3

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 1-17-12 1050

Received By: Lisa Bupt Date/Time: 1-17-12 1050

Relinquished By: Lisa Bupt Date/Time: 1-17-12 1500

Received By: _____ Date/Time: _____

Comments: _____

51-5875

pH calibration: actual/observed 7.01 > 7.01 actual observed 10.01 > 10.04

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 1-23-12 / 10:00 To 16:00

Date/Time Grab Taken: 1-24-12 1042

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 7.82 1048 DO 9.47 1047

Flow 829.2

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 1-24-12 1048

Received By: Lisa Zupat Date/Time: 1-24-12 1048

Relinquished By: Lisa Zupat Date/Time: 1-24-12 1530

Received By: _____ Date/Time: _____

Comments: _____

81-58-84

pH calibration: actual/observed 7.01 → 7.01 actual observed 10.06 → 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 1-30-12 / 10:00 To 16:00

Date/Time Grab Taken: 1-31-12 1029

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.21 1029 DO 11.80 1029

Flow 526.9

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 1-31-12 / 1029

Received By: Lisa Burt Date/Time: 1-31-12 1029

Relinquished By: Lisa Burt Date/Time: 1-31-12 1500

Received By: _____ Date/Time: _____

Comments: _____

51-58.40

pH calibration: actual/observed 7.05 → 7.01 actual observed 10.05 → 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



Client: West Helena WWTP

Sample Number: 36452-01

Sample Description:

Date Reported: 1/9/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler		Date/Time	Sampler	12/06/11 15:30
12/06/11 12:00	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	12/6/2011 12:02:00 PM	RJH	11.2 degrees C
pH	4500-H+ B	12/6/2011 12:01:00 PM	RJH	10.01 pH Units
DO	4500-O c or g	12/6/2011 12:03:00 PM	RJH	9.76 mg/l
cBOD	5210 B	12/7/2011 7:30:00 AM	SD	12.69 mg/l
TSS	2540 D	12/7/2011 10:15:00 AM	LB	36.0 mg/l
Fecal Coliforms	9222 D	12/6/2011 3:30:00 PM	LB	140 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	12/2/2011 2:00:00 PM	RJH	1.626 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36502-01

Sample Description:

Date Reported: 1/9/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

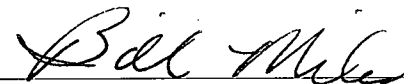
QA Frequency: Minimum of 10% Spikes and Duplicates

Date/Time	Grab Sampler	Date/Time	Composite Sampler	Date/Time Received:
12/13/11 11:12	Ryan Hudgin			12/13/11 16:00

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	12/13/2011 11:14:00 AM	RJH	8.6 degrees C
pH	4500-H+ B	12/13/2011 11:13:00 AM	RJH	8.78 pH Units
DO	4500-O c or g	12/13/2011 11:15:00 AM	RJH	12.61 mg/l
cBOD	5210 B	12/14/2011 7:30:00 AM	SD	15.87 mg/l
TSS	2540 D	12/15/2011 9:20:00 AM	LB	56.0 mg/l
Fecal Coliforms	9222 D	12/13/2011 4:00:00 PM	LB	20 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	12/14/2011 8:15:00 AM	RJH	2.67 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36552-01

Sample Description:

Date Reported: 1/9/2012

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
	Date/Time	Sampler	Date/Time	Sampler	12/20/11 16:00
	12/20/11 11:27	Ryan Hudgin			

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	12/20/2011 11:29:00 AM	RJH	7.1 degrees C
pH	4500-H+ B	12/20/2011 11:28:00 AM	RJH	9.64 pH Units
DO	4500-O c or g	12/20/2011 11:30:00 AM	RJH	9.75 mg/l
cBOD	5210 B	12/21/2011 7:00:00 AM	SD	6.81 mg/l
TSS	2540 D	12/22/2011 2:00:00 PM	LB	54.0 mg/l
Fecal Coliforms	9222 D	12/20/2011 4:00:00 PM	LB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	12/21/2011 8:15:00 AM	RJH	2.92 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:
 References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
 Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

Sample Number: 36585-01
 Date Reported: 1/9/2012

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		12/27/11 13:40
12/27/11 10:20	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	12/27/2011 10:22:00 AM	RJH	9.0 degrees C
pH	4500-H+ B	12/27/2011 10:21:00 AM	RJH	9.14 pH Units
DO	4500-O c or g	12/27/2011 10:23:00 AM	RJH	8.02 mg/l
cBOD	5210 B	12/27/2011 1:40:00 PM	SD	5.97 mg/l
TSS	2540 D	12/28/2011 8:15:00 AM	LB	48.0 mg/l
Fecal Coliforms	9222 D	12/27/2011 1:40:00 PM	LB	116 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	12/29/2011 8:45:00 AM	RJH	2.54 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 12-26-11 / 10:00 To 16:00

Date/Time Grab Taken: ~~1022~~ 12-27-11 1020

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.14 1022 DO 9.02 1022

Flow 1500

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 12-27-11 1022

Received By: Lisa Bump Date/Time: 12-27-11 1022

Relinquished By: Lisa Bump Date/Time: 12-27-11 1340

Received By: _____ Date/Time: _____

Comments: _____

51-57.10

pH calibration: actual/observed 7.00 → 7.01 actual observed 10.01 → 10.05

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 12-19-11 / 10:00 To 16:00

Date/Time Grab Taken: 12-20-11 1127

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.64 1131 DO 9.75 1133

Flow 1353

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 12-20-11 1132

Received By: Lisa Bump Date/Time: 12-20-11 1132

Relinquished By: Lisa Bump Date/Time: 12-20-11 1600

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 12-12-11 / 10:00 To 16:00

Date/Time Grab Taken: 12-13-11 1112

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.79 1119 DO 12.61 1119

Flow 1123

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 12-13-11 / 1117

Received By: Lisa Dupst Date/Time: 12-13-11 1117

Relinquished By: Lisa Dupst Date/Time: 12-13-11 1600

Received By: _____ Date/Time: _____

Comments: _____

51-57.03

pH calibration: actual/observed 7.00 → 7.03 actual observed 10.04 → 10.60

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 12-05-11 / 10:00 To 16:00

Date/Time Grab Taken: 12-6-11 1200

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 10.01 1206 DO 9.76 1205

Flow _____

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 12-06-11 / 1200

Received By: Lisa Bump Date/Time: 12-6-11 1204

Relinquished By: Lisa Bump Date/Time: 12-6-11 1530

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed _____ actual observed _____

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



Client: West Helena WWTP

Sample Number: 36258-01

Sample Description:

Date Reported: 12/6/2011

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

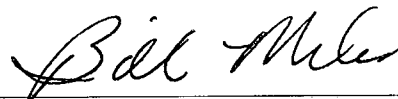
QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		11/01/11 15:45
11/01/11 10:37	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	11/1/2011 10:39:00 AM	RJH	15.8 degrees C
pH	4500-H+ B	11/1/2011 10:38:00 AM	RJH	9.57 pH Units
DO	4500-O c or g	11/1/2011 10:40:00 AM	RJH	12.35 mg/l
cBOD	5210 B	11/2/2011 7:30:00 AM	SD	21.12 mg/l
TSS	2540 D	11/3/2011 12:05:00 PM	LB	44.0 mg/l
Fecal Coliforms	9222 D	11/1/2011 3:45:00 PM	LB	76 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	11/2/2011 8:15:00 AM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36303-01

Sample Description:

Date Reported: 12/6/2011

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		11/08/11 15:45
11/08/11 10:56	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	11/8/2011 10:58:00 AM	RJH	18.7 degrees C
pH	4500-H+ B	11/8/2011 10:57:00 AM	RJH	9.43 pH Units
DO	4500-O c or g	11/8/2011 10:59:00 AM	RJH	12.52 mg/l
cBOD	5210 B	11/9/2011 7:30:00 AM	SD	15.84 mg/l
TSS	2540 D	11/9/2011 9:15:00 AM	LB	42.0 mg/l
Fecal Coliforms	9222 D	11/8/2011 3:45:00 PM	LB	124 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	11/9/2011 8:00:00 AM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:

Sample Number: 36346-01
 Date Reported: 12/6/2011

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

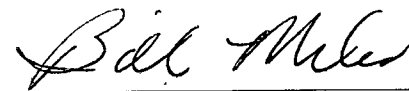
Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab	Composite	Date/Time Received:
Date/Time	Sampler	Date/Time Sampler	11/15/11 15:40
11/15/11 11:08	Ryan Hudgin		

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	11/15/2011 11:10:00 AM	RJH	18.7 degrees C
pH	4500-H+ B	11/15/2011 11:09:00 AM	RJH	9.49 pH Units
DO	4500-O c or g	11/15/2011 11:11:00 AM	RJH	12.08 mg/l
cBOD	5210 B	11/16/2011 8:30:00 AM	SD	16.32 mg/l
TSS	2540 D	11/17/2011 12:30:00 PM	LB	42.0 mg/l
Fecal Coliforms	9222 D	11/15/2011 3:40:00 PM	LB	24 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	11/16/2011 8:15:00 AM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36387-01

Sample Description:

Date Reported: 12/6/2011

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab	Composite	Date/Time Received:
Date/Time	Sampler	Date/Time Sampler	11/22/11 15:45
11/22/11 10:49	Ryan Hudgin		

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	11/22/2011 10:51:00 AM	RJH	16.5 degrees C
pH	4500-H+ B	11/22/2011 10:50:00 AM	RJH	8.36 pH Units
DO	4500-O c or g	11/22/2011 10:52:00 AM	RJH	9.39 mg/l
cBOD	5210 B	11/22/2011 3:00:00 PM	SD	18.93 mg/l
TSS	2540 D	11/24/2011 11:30:00 AM	LB	50.0 mg/l
Fecal Coliforms	9222 D	11/22/2011 3:45:00 PM	LB	68 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	11/29/2011 1:30:00 PM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:

Sample Number: 36412-01
 Date Reported: 12/6/2011

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab	Composite	Date/Time Received:
Date/Time	Sampler	Date/Time Sampler	11/29/11 14:15
11/29/11 10:46	Ryan Hudgin		

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	11/29/2011 10:48:00 AM	RJH	9.6 degrees C
pH	4500-H+ B	11/29/2011 10:47:00 AM	RJH	9.47 pH Units
DO	4500-O c or g	11/29/2011 10:49:00 AM	RJH	10.96 mg/l
cBOD	5210 B		SD	10.26 mg/l
TSS	2540 D		LB	36.0 mg/l
Fecal Coliforms	9222 D		LB	12 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 10-31-11 / 10:00 TO 16:00

Date/Time Grab Taken: 11-1-11 1037

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.57 1043 DO 12.35 1043

Flow 305.2

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 11-01-11 1045

Received By: Lisa B. ... Date/Time: 11-1-11 1045

Relinquished By: Lisa B. ... Date/Time: 11-1-11 1545

Received By: _____ Date/Time: _____

Comments: _____

51-58.28

pH calibration: actual/observed 7.00 > 7.01 actual observed 10.01 > 10.04
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 11-07-11 / 10:00 To 16:00

Date/Time Grab Taken: 11-8-11 1056

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.43 1101 DO 12.52 1101

Flow 278.3

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 11-08-11 1104

Received By: Joa Supt Date/Time: 11-8-11 1104

Relinquished By: Joa Supt Date/Time: 11-8-11 1545

Received By: _____ Date/Time: _____

Comments: _____

SI-58.29

pH calibration: actual/observed 7.00 7.01 actual observed 11.01 10.03

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 11-14-11 / 10:00 To 16:00

Date/Time Grab Taken: 11-15-11 1108

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.49 1114 DO 12.08 1115

Flow 234.4

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 11-15-11 1115

Received By: Lisa Dupat Date/Time: 11-15-11 1115

Relinquished By: Lisa Dupat Date/Time: 11-15-11 1544

Received By: _____ Date/Time: _____

Comments: _____

SL-58.28'

pH calibration: actual/observed 7.00 > 7.00 actual observed 10.01 > 10.02
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 11-21-11 / 10:00 To 16:00

Date/Time Grab Taken: 11-22-11 1049

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.34 ¹⁰⁵⁴ ~~1054~~ DO 9.39 1054

Flow 1407

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 11-22-11 / 1055

Received By: Lisa Bryant Date/Time: 11-22-11 1055

Relinquished By: Lisa Bryant Date/Time: 11-22-11 1045

Received By: _____ Date/Time: _____

Comments: _____

51-56.68'

pH calibration: actual/observed 7.01 → 7.01 actual observed 10.02 → 10.03

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 11-28-11 / 10:00 To 16:00

Date/Time Grab Taken: 11-29-11 1046

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.47 1055 DO 10.96 1050

Flow 840.5

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 11-29-11 1050

Received By: Lisa Bumat Date/Time: 11-29-11 1054

Relinquished By: Lisa Bumat Date/Time: 11-29-11 1415

Received By: _____ Date/Time: _____

Comments: _____

11-55-58

pH calibration: actual/observed 7.00 → 7.01 actual observed 10.01 → 10.06

Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____



Client: West Helena WWTP
 Sample Description:
 Sample Location: effluent
 Permit Number:

Sample Number: 36116-01
 Date Reported: 11/3/2011

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
 QA Frequency: Minimum of 10% Spikes and Duplicates

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		10/04/11 15:00
10/04/11 11:26	Ryan Hudgin				

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	10/4/2011 11:28:00 AM	RJH	21.9 degrees C
pH	4500-H+ B	10/4/2011 11:27:00 AM	RJH	9.64 pH Units
DO	4500-O c or g	10/4/2011 11:29:00 AM	RJH	8.30 mg/l
cBOD	5210 B	10/5/2011 7:15:00 AM	SD	12.60 mg/l
TSS	2540 D	10/5/2011 9:00:00 AM	LB	40.0 mg/l
Fecal Coliforms	9222 D	10/4/2011 3:00:00 PM	LB	<4 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C	10/5/2011 2:00:00 PM	RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager


Client: West Helena WWTP
Sample Description:
Sample Location: effluent
Permit Number:
References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020
Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples
QA Frequency: Minimum of 10% Spikes and Duplicates

Sample Number: 36156-01
Date Reported: 11/3/2011

Parameter	Grab		Composite		Date/Time Received:	
	Date/Time	Sampler	Date/Time	Sampler	10/11/11 14:30	
	10/11/11 11:54	Ryan Hudgin				
Parameter	Reference	Test Date/Time	Initials	Result		
Basic WW						
Temperature	2550 B	10/11/2011 11:56:00 AM	RJH	23.5 degrees C		
pH	4500-H+ B	10/11/2011 11:55:00 AM	RJH	9.81 pH Units		
DO	4500-O c or g	10/11/2011 11:57:00 AM	RJH	8.15 mg/l		
cBOD	5210 B	10/12/2011 7:15:00 AM	SD	17.82 mg/l		
TSS	2540 D	10/12/2011 12:00:00 PM	LB	62.0 mg/l		
Fecal Coliforms	9222 D	10/11/2011 2:30:00 PM	LB	<4 Col/100 mls		
Ammonia, NH3-N	4500-NH3 B,C	10/12/2011 8:30:00 AM	RJH	<1.0 mg/l		

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36192-01

Sample Description:

Date Reported: 11/3/2011

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020


Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

QA Frequency: Minimum of 10% Spikes and Duplicates

Parameter	Grab		Composite		Date/Time Received:	
	Date/Time	Sampler	Date/Time	Sampler	10/18/11 16:00	
	10/18/11 11:54	Ryan Hudgin				
Parameter	Reference	Test Date/Time	Initials	Result		
Basic WW						
Temperature	2550 B	10/18/2011 11:56:00 AM	RJH	18.2 degrees C		
pH	4500-H+ B	10/18/2011 11:55:00 AM	RJH	9.77 pH Units		
DO	4500-O c or g	10/18/2011 11:57:00 AM	RJH	7.81 mg/l		
cBOD	5210 B	10/19/2011 6:50:00 AM	SD	13.32 mg/l		
TSS	2540 D	10/21/2011 6:00:00 AM	LB	30.0 mg/l		
Fecal Coliforms	9222 D	10/18/2011 4:00:00 PM	LB	12 Col/100 mls		
Ammonia, NH3-N	4500-NH3 B,C	10/19/2011 8:15:00 AM	RJH	<1.0 mg/l		

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

Client: West Helena WWTP

Sample Number: 36227-01

Sample Description:

Date Reported: 11/3/2011

Sample Location: effluent

Permit Number:

References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times
 Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020

Quality Control: Blank, duplication, known addition, quarterly analysis of external references samples

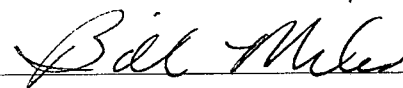
QA Frequency: Minimum of 10% Spikes and Duplicates

Grab	Composite	Date/Time Received:
Date/Time	Date/Time	10/25/11 13:50
10/25/11 10:33	10/25/11 10:33	
Sampler	Sampler	
Ryan Hudgin	Ryan Hudgin	

Parameter	Reference	Test Date/Time	Initials	Result
Basic WW				
Temperature	2550 B	10/25/2011 10:35:00 AM	RJH	16.9 degrees C
pH	4500-H+ B	10/25/2011 10:34:00 AM	RJH	8.93 pH Units
DO	4500-O c or g	10/25/2011 10:36:00 AM	RJH	12.05 mg/l
cBOD	5210 B		SD	21.21 mg/l
TSS	2540 D		LB	58.0 mg/l
Fecal Coliforms	9222 D		LB	40 Col/100 mls
Ammonia, NH3-N	4500-NH3 B,C		RJH	<1.0 mg/l

* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.



Bill Miles, Laboratory Manager

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 10-03-11 / 10:00 To 16:00

Date/Time Grab Taken: 10-4-11 1126

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.64 1133 DO 8.30 1130

Flow _____

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 10-04-11 1133

Received By: Lisa Burt Date/Time: 10-4-11 1133

Relinquished By: Lisa Burt Date/Time: 10-4-11 1500

Received By: _____ Date/Time: _____

Comments: _____

pH calibration: actual/observed 7.00 → 7.01 actual observed 11.01 → 10.03
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

51-58-29

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 10-10-11 / 10:00 To 16:00

Date/Time Grab Taken: 10-11-11 1154

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 281 1201 DO 8.15 1200

Flow _____

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 10-11-11 / 1200

Received By: Lisa Dupat Date/Time: 10-11-11 1200

Relinquished By: Lisa Dupat Date/Time: 10-11-11 1430

Received By: _____ Date/Time: _____

Comments: _____

51-58.29

pH calibration: actual/observed 7.00 > 7.00 actual observed 10.01 > 10.02
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 10-17-11 / 10:00 To 16:00

Date/Time Grab Taken: 10-18-11 1159

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 9.77 1202 DO 7.81 1201

Flow 365.6

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 10-18-11 1202

Received By: Sela Bapat Date/Time: 10-18-11 1202

Relinquished By: Sela Bapat Date/Time: 10-18-11 1600

Received By: _____ Date/Time: _____

Comments: _____

51-58.29

pH calibration: actual/observed 7.01 > 7.00 actual observed 10.01 > 10.03
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

CHAIN OF CUSTODY

Company Name: West Helena Water

Contact: Ken Fratesi

Address: 92 Plaza Street

Telephone: 870-572-6714

West Helena, Ark 72390

Sampler: CHARLES TAYLOR

Date/Time Composite Taken: 10-24-11 / 10:00 To 16:00

Date/Time Grab Taken: 10-25-11 1033

Number of Containers: 2

Sample ID/Location: 001 OUTFALL

pH 8.93 1040 DO 12.05 1039

Flow 37.0

Container	Plastic/Glass	Preservation
1	P	COMPOSITE ICE, 4°C BOD, TSS
2	WP	GRAB ICE, NH ₃ -N, FC
3		
4		
5		

Relinquished By: CHARLES TAYLOR Date/Time: 10-25-11 1039

Received By: Lisa Suat Date/Time: 10-25-11 1039

Relinquished By: Lisa Suat Date/Time: 10-25-11 1350

Received By: _____ Date/Time: _____

Comments: _____

51-5704

pH calibration: actual/observed 7.01 > 7.01 actual observed 10.04 > 10.05
Dissolved Oxygen calibration: Zero _____ Full Scale _____ Elevation _____

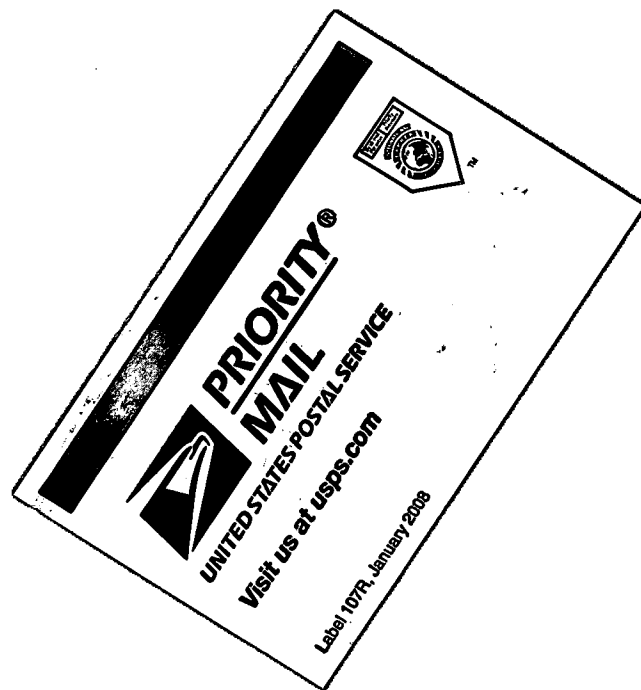


West Helena Water Utilities

92 East Plaza Street
West Helena, Arkansas 72390



909



ADEQ
ATTN: ELEANOR LILLEY
5301 NORTHSHORE DRIVE
NORTH LITTLE ROCK, AR
72118-5317