

Client: City of Bryant

Sample Number: 40193-01

Sample Description:

Date Reported: 12/11/2013

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	11/27/13 15:45	
Ammonia Nitrogen						
Ammonia, NH3-N		Gregg Asher				0.10 mg/l
Basic WW						
pH			11/27/2013 3:01:00 PM			6.45 pH Units
DO			11/27/2013 3:03:00 PM			8.22 mg/l
cBOD 5 day						
cBOD						2.70 mg/l
Chlorine Residual						
Chlorine residual			11/27/2013 3:04:00 PM			0.040 mg/l
Fecal Coliform						
Fecal Coliforms					MB	40 Col/100 mls
Nitrate Nitrogen						
Nitrate						11.0 mg/l
Total Phosphorus						
Phosphorus						2.6 mg/l
Total Suspended Solids						
TSS						2.0 mg/l

**MCE McCLELLAND  
CONSULTING  
ENGINEERS, INC.**

501-378-7808 FAX 501-376-4522

Client: City of Bryant

Sample Number: 40187-01

Sample Description:

Date Reported: 12/11/2013

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:
11/26/13 15:00	Gregg Asher			11/26/13 15:45

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.10 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/26/2013 3:01:00 PM		6.40 pH Units
DO	4500-O c or g	11/26/2013 3:03:00 PM		7.98 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			6.2 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/26/2013 3:04:00 PM		0.050 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	<4 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			12.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			2.4 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			2.0 mg/l

**MCE McCLELLAND CONSULTING ENGINEERS, INC.**  
 DESIGNED TO SERVE

501-378-7808 FAX 501-376-4522

Client: City of Bryant

Sample Number: 40180-01

Sample Description:

Date Reported: 12/11/2013

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	11/25/13 15:45
11/25/13 15:00	11/25/13 15:00	
Sampler	Sampler	
Gregg Asher	Gregg Asher	

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.10 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/25/2013 3:01:00 PM		6.37 pH Units
DO	4500-O c or g	11/25/2013 3:03:00 PM		7.93 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			2.4 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/25/2013 3:04:00 PM		0.040 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	20 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			11.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			2.2 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			3.0 mg/l

Client: City of Bryant

Sample Number: 40176-01

Sample Description:

Date Reported: 12/11/2013

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	11/22/13 15:45
11/22/13 15:00	11/22/13 15:00	
Sampler	Sampler	
Gregg Asher	Gregg Asher	

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.10 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/22/2013 3:01:00 PM		6.11 pH Units
DO	4500-O c or g	11/22/2013 3:03:00 PM		7.65 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			2.4 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/22/2013 3:04:00 PM		0.030 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	50 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			10.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			3.1 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			1.0 mg/l

Client: City of Bryant  
 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: 40166-01  
 Date Reported: 12/11/2013

Parameter	Grab		Composite		Date/Time Received:	
	Date/Time	Sampler	Date/Time	Sampler		
	11/21/13 15:00	Gregg Asher			11/21/13 16:00	
Parameter	Reference		Test Date/Time		Initials	Result
<b>Ammonia Nitrogen</b>						
Ammonia, NH3-N	4500-NH3,B,C				MB	0.12 mg/l
<b>Basic WW</b>						
pH	4500-H+ B		11/21/2013 3:01:00 PM			6.25 pH Units
DO	4500-O c or g		11/21/2013 3:03:00 PM			8.41 mg/l
<b>cBOD 5 day</b>						
cBOD	5210 B					2.4 mg/l
<b>Chlorine Residual</b>						
Chlorine residual	4500-Cl-G		11/21/2013 3:04:00 PM			0.010 mg/l
<b>Fecal Coliform</b>						
Fecal Coliforms	9222 D				MB	10 Col/100 mls
<b>Nitrate Nitrogen</b>						
Nitrate	4500 NO3 E					13.0 mg/l
<b>Total Phosphorus</b>						
Phosphorus	EPA 365.2					3.5 mg/l
<b>Total Suspended Solids</b>						
TSS	2540 D					2.0 mg/l

**MCE McCLELLAND**  
**CONSULTING**  
**DESIGNED TO SERVE ENGINEERS, INC.**

501-378-7808 FAX 501-376-4522

Client: City of Bryant

Sample Number: 40139-01

Sample Description:

Date Reported: 12/11/2013

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:
11/19/13 15:00	Gregg Asher			11/19/13 15:06

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.02 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/19/2013 3:01:00 PM		6.84 pH Units
DO	4500-O c or g	11/19/2013 3:03:00 PM		8.23 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			2.5 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/19/2013 3:04:00 PM		0.040 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	30 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			7.8 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			3.0 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			2.0 mg/l

Client: City of Bryant

Sample Number: 40130-01

Sample Description:

Date Reported: 12/11/2013

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	11/14/13 16:15
11/14/13 16:15	11/14/2013 4:16:00 PM	
Sampler	Sampler	
Gregg Asher	Gregg Asher	

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.10 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/14/2013 4:16:00 PM		6.42 pH Units
DO	4500-O c or g	11/14/2013 4:18:00 PM		8.78 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			3.1 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/14/2013 4:19:00 PM		0.050 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	100 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			13.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			4.5 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			2.0 mg/l

Client: City of Bryant

Sample Number: 40113-01

Sample Description:

Date Reported: 12/11/2013

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		
	11/13/13 15:00	Gregg Asher			11/13/13 16:00	
Parameter	Reference		Test Date/Time		Initials	Result
<b>Ammonia Nitrogen</b>						
Ammonia, NH3-N	4500-NH3,B,C				MB	0.43 mg/l
<b>Basic WW</b>						
pH	4500-H+ B		11/13/2013 3:01:00 PM			6.47 pH Units
DO	4500-O c or g		11/13/2013 3:03:00 PM			8.22 mg/l
<b>cBOD 5 day</b>						
cBOD	5210 B					4.9 mg/l
<b>Chlorine Residual</b>						
Chlorine residual	4500-Cl-G		11/13/2013 3:04:00 PM			0.050 mg/l
<b>Fecal Coliform</b>						
Fecal Coliforms	9222 D				MB	<4 Col/100 mls
<b>Nitrate Nitrogen</b>						
Nitrate	4500 NO3 E					11.0 mg/l
<b>Total Phosphorus</b>						
Phosphorus	EPA 365.2					2.9 mg/l
<b>Total Suspended Solids</b>						
TSS	2540 D					3.0 mg/l



Client: City of Bryant

Sample Number: 40105-01

Sample Description:

Date Reported: 12/11/2013

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	11/12/13 15:45	
	11/12/13 15:00	Gregg Asher				
Parameter	Reference	Test Date/Time	Initials	Result		
<b>Ammonia Nitrogen</b>						
Ammonia, NH3-N	4500-NH3,B,C		MB	0.40 mg/l		
<b>Basic WW</b>						
pH	4500-H+ B	11/12/2013 3:01:00 PM		6.23 pH Units		
DO	4500-O c or g	11/12/2013 3:03:00 PM		8.44 mg/l		
<b>cBOD 5 day</b>						
cBOD	5210 B			4.9 mg/l		
<b>Chlorine Residual</b>						
Chlorine residual	4500-Cl-G	11/12/2013 3:04:00 PM		0.050 mg/l		
<b>Fecal Coliform</b>						
Fecal Coliforms	9222 D		MB	100 Col/100 mls		
<b>Nitrate Nitrogen</b>						
Nitrate	4500 NO3 E			12.0 mg/l		
<b>Total Phosphorus</b>						
Phosphorus	EPA 365.2			6.6 mg/l		
<b>Total Suspended Solids</b>						
TSS	2540 D			13.0 mg/l		

Client: City of Bryant

Sample Number: 40091-01

Sample Description:

Date Reported: 12/11/2013

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	11/07/13 16:00
Sampler	Sampler	
11/07/13 15:00	Gregg Asher	

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.10 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/7/2013 3:01:00 PM		6.45 pH Units
DO	4500-O c or g	11/7/2013 3:03:00 PM		8.13 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			2.4 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/7/2013 3:04:00 PM		0.020 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	20 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			13.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			3.5 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			13.0 mg/l

Client: City of Bryant

Sample Number: 40079-01

Sample Description:

Date Reported: 12/11/2013

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		11/06/13 15:45
11/06/13 15:00	Gregg Asher				

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.32 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/6/2013 3:01:00 PM		6.41 pH Units
DO	4500-O c or g	11/6/2013 3:03:00 PM		7.85 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			7.70 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/6/2013 3:04:00 PM		0.040 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	500 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			13.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			3.7 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			19.0 mg/l

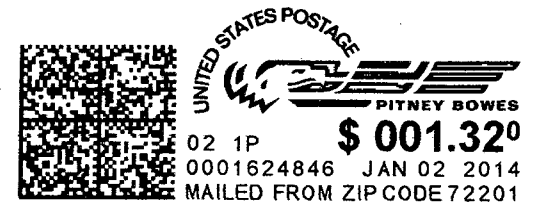
Client: City of Bryant  
Sample Description:  
Sample Location: effluent  
Permit Number:  
References: 40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times  
Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020  
Quality Control: Blank, duplication, known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

Sample Number: 40068-01  
Date Reported: 12/11/2013

	Grab		Composite		Date/Time Received:
Date/Time	Sampler	Date/Time	Sampler		11/05/13 15:45
11/05/13 15:00	Gregg Asher				

Parameter	Reference	Test Date/Time	Initials	Result
<b>Ammonia Nitrogen</b>				
Ammonia, NH3-N	4500-NH3,B,C		MB	0.32 mg/l
<b>Basic WW</b>				
pH	4500-H+ B	11/5/2013 3:01:00 PM		6.73 pH Units
DO	4500-O c or g	11/5/2013 3:03:00 PM		8.14 mg/l
<b>cBOD 5 day</b>				
cBOD	5210 B			2.4 mg/l
<b>Chlorine Residual</b>				
Chlorine residual	4500-Cl-G	11/5/2013 3:04:00 PM		0.030 mg/l
<b>Fecal Coliform</b>				
Fecal Coliforms	9222 D		MB	30 Col/100 mls
<b>Nitrate Nitrogen</b>				
Nitrate	4500 NO3 E			12.0 mg/l
<b>Total Phosphorus</b>				
Phosphorus	EPA 365.2			3.2 mg/l
<b>Total Suspended Solids</b>				
TSS	2540 D			19.0 mg/l

McClelland Consulting Engineers, Inc.  
Water Lab  
P.O. Box 34087  
Little Rock, AR 72203-4087



ADEQ  
5301 Northshore Dr.  
N. Little Rock, Ark.  
72118

