Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 01/12/2018
Date Received: 01/09/2018
Pace File No: 7074
Pace Order No: 145970

Lab Number: 18010338
Sample Description: Mulberry Well

Date Sampled: 01/08/2018
Time Sampled: 1120

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	24.9	µg/L	1.0	0.5	7464/488

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	01/11/18 1507	1MS5011	1MS5011	RKR	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18010338

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

January 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.147 MGD								
2	0.147 MGD								
3	0.147 MGD								
4	0.147 MGD								
5	0.147 MGD								
6	0.147 MGD								
7	0.147 MGD								
8	0.147 MGD								
9	0.147 MGD								
10	0.147 MGD								
11	0.147 MGD								
12	0.147 MGD								
13	0.147 MGD								
14	0.147 MGD								
15	0.147 MGD								
16	0.147 MGD								
17	0.147 MGD								
18	0.147 MGD								
19	0.147 MGD								
20	0.147 MGD								
21	0.147 MGD								
22	0.147 MGD								
23	0.147 MGD								
24	0.147 MGD								
25	0.147 MGD								
26	0.147 MGD								
27	0.147 MGD								
28	0.147 MGD								
29	0.147 MGD								
30	0.147 MGD								
31	0.147 MGD								

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
8. Unusual conditions, significantly affecting operations must be reported immediately to the Department of Natural Resources.
9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.557 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.7

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 02/09/2018
Date Received: 02/06/2018
Pace File No: 7074
Pace Order No: 146458

Lab Number: 18020256
Sample Description: Mulberry Well

Date Sampled: 02/05/2018
Time Sampled: 1246

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	28.7	µg/L	1.0	0.5	7464/497

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	02/07/18 2203	1MS5038	1MS5038	GMA	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18020256

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

February 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.150 MGD								
2	0.150 MGD								
3	0.150 MGD								
4	0.150 MGD								
5	0.150 MGD								
6	0.150 MGD								
7	0.150 MGD								
8	0.150 MGD								
9	0.150 MGD								
10	0.150 MGD								
11	0.150 MGD								
12	0.150 MGD								
13	0.150 MGD								
14	0.150 MGD								
15	0.150 MGD								
16	0.150 MGD								
17	0.150 MGD								
18	0.150 MGD								
19	0.150 MGD								
20	0.150 MGD								
21	0.150 MGD								
22	0.150 MGD								
23	0.150 MGD								
24	0.150 MGD								
25	0.150 MGD								
26	0.150 MGD								
27	0.150 MGD								
28	0.150 MGD								
29									
30									
31									

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9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.200 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.22

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 03/09/2018
Date Received: 03/06/2018
Pace File No: 7074
Pace Order No: 147016

Lab Number: 18030342
Sample Description: Mulberry Well Outfall #1

Date Sampled: 03/03/2018
Time Sampled: 1200

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	27.5	µg/L	1.0	0.5	7464/503

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	03/08/18 1416	1MS5067	1MS5067	GMA	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18030342

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

March 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.145 MGD								
2	0.145 MGD								
3	0.145 MGD								
4	0.145 MGD								
5	0.145 MGD								
6	0.145 MGD								
7	0.145 MGD								
8	0.145 MGD								
9	0.145 MGD								
10	0.145 MGD								
11	0.145 MGD								
12	0.145 MGD								
13	0.145 MGD								
14	0.145 MGD								
15	0.145 MGD								
16	0.145 MGD								
17	0.145 MGD								
18	0.145 MGD								
19	0.145 MGD								
20	0.145 MGD								
21	0.145 MGD								
22	0.145 MGD								
23	0.145 MGD								
24	0.145 MGD								
25	0.145 MGD								
26	0.145 MGD								
27	0.145 MGD								
28	0.145 MGD								
29	0.145 MGD								
30	0.145 MGD								
31	0.145 MGD								

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2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
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8. Unusual conditions, significantly affecting operations must be reported immediately to the Department of Natural Resources.
9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.495 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.64

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 04/09/2018
Date Received: 04/03/2018
Pace File No: 7074
Pace Order No: 147586

Lab Number: 18040113
Sample Description: Mulberry Well

Date Sampled: 04/02/2018
Time Sampled: 1302

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	27.8	µg/L	1.0	0.5	7464/517

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	04/04/18 1651	1MS5094	1MS5094	RKR	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18040113

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

April 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.148 MGD								
2	0.148 MGD								
3	0.148 MGD								
4	0.148 MGD								
5	0.148 MGD								
6	0.148 MGD								
7	0.148 MGD								
8	0.148 MGD								
9	0.148 MGD								
10	0.148 MGD								
11	0.148 MGD								
12	0.148 MGD								
13	0.148 MGD								
14	0.148 MGD								
15	0.148 MGD								
16	0.148 MGD								
17	0.148 MGD								
18	0.148 MGD								
19	0.148 MGD								
20	0.148 MGD								
21	0.148 MGD								
22	0.148 MGD								
23	0.148 MGD								
24	0.148 MGD								
25	0.148 MGD								
26	0.148 MGD								
27	0.148 MGD								
28	0.148 MGD								
29	0.148 MGD								
30	0.148 MGD								
31									

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
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COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.440 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.53

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 05/16/2018
Date Received: 05/10/2018
Pace File No: 7074
Pace Order No: 148445

Lab Number: 18050891
Sample Description: Mulberry Well Outfall #1

Date Sampled: 05/09/2018
Time Sampled: 1215

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	30.9	µg/L	1.0	0.5	7464/549

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	05/14/18 1604	1MS5134	1MS5134	RKR	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18050891

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

May 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.101 MGD								
2	0.101 MGD								
3	0.101 MGD								
4	0.101 MGD								
5	0.101 MGD								
6	0.101 MGD								
7	0.101 MGD								
8	0.101 MGD								
9	0.101 MGD								
10	0.101 MGD								
11	0.101 MGD								
12	0.101 MGD								
13	0.101 MGD								
14	0.101 MGD								
15	0.101 MGD								
16	0.101 MGD								
17	0.101 MGD								
18	0.101 MGD								
19	0.101 MGD								
20	0.101 MGD								
21	0.101 MGD								
22	0.101 MGD								
23	0.101 MGD								
24	0.101 MGD								
25	0.101 MGD								
26	0.101 MGD								
27	0.101 MGD								
28	0.101 MGD								
29	0.101 MGD								
30	0.101 MGD								
31	0.101 MGD								

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COMMENTS

PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
3.131 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.66

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 06/22/2018
Date Received: 06/14/2018
Pace File No: 7074
Pace Order No: 149285

Lab Number: 18061115
Sample Description: Mulberry Well

Date Sampled: 06/13/2018
Time Sampled: 1222

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	30.9	µg/L	1.0	0.5	7464/572

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	06/15/18 1410	1MS5166	1MS5166	RKR	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18061115

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

June 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.153 MGD								
2	0.153 MGD								
3	0.153 MGD								
4	0.153 MGD								
5	0.153 MGD								
6	0.153 MGD								
7	0.153 MGD								
8	0.153 MGD								
9	0.153 MGD								
10	0.153 MGD								
11	0.153 MGD								
12	0.153 MGD								
13	0.153 MGD								
14	0.153 MGD								
15	0.153 MGD								
16	0.153 MGD								
17	0.153 MGD								
18	0.153 MGD								
19	0.153 MGD								
20	0.153 MGD								
21	0.153 MGD								
22	0.153 MGD								
23	0.153 MGD								
24	0.153 MGD								
25	0.153 MGD								
26	0.153 MGD								
27	0.153 MGD								
28	0.153 MGD								
29	0.153 MGD								
30	0.153 MGD								
31									

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COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.59 MG Total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.5

Sample Results

Client: City of Camdenton
Attn: Bill Jeffries
437 W US HWY 54
Camdenton, MO 65020

Date Reported: 07/16/2018
Date Received: 07/10/2018
Pace File No: 7074
Pace Order No: 149802

Lab Number: 18070434
Sample Description: Mulberry Well

Date Sampled: 07/09/2018
Time Sampled: 1230

Analysis	Concentration	Units	Dilution Factor	LOQ	Book/Page
Trichloroethene	28.4	µg/L	1.0	0.5	7464/589

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Trichloroethene	N/A	07/11/18 1436	1MS5192	1MS5192	GMA	524.2
Volatile Analysis Preparation Method						524.2

Conclusion of Lab Number: 18070434

Pace Analytical Services, Inc.
525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830

July 2018 **Mulberry well outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.131 MGD								
2	0.131 MGD								
3	0.131 MGD								
4	0.131 MGD								
5	0.131 MGD								
6	0.131 MGD								
7	0.131 MGD								
8	0.131 MGD								
9	0.131 MGD								
10	0.131 MGD								
11	0.131 MGD								
12	0.131 MGD								
13	0.131 MGD								
14	0.131 MGD								
15	0.131 MGD								
16	0.131 MGD								
17	0.131 MGD								
18	0.131 MGD								
19	0.131 MGD								
20	0.131 MGD								
21	0.131 MGD								
22	0.131 MGD								
23	0.131 MGD								
24	0.131 MGD								
25	0.131 MGD								
26	0.131 MGD								
27	0.131 MGD								
28	0.131 MGD								
29	0.131 MGD								
30	0.131 MGD								
31	0.131 MGD								

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COMMENTS

PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.07 MG total gallons pumped			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.63

Pace Analytical Services, LLC
525 N. 8th Street
Salina, KS 67401
(785)827-1273

ANALYTICAL RESULTS

Project: Monthly
Pace Project No.: 60277589

Sample: Mulberry Well **Lab ID: 60277589001** Collected: 08/14/18 12:24 Received: 08/15/18 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Trichloroethene	**34.2**	ug/L	0.50	1		08/22/18 05:34	79-01-6	
Surrogates								
4-Bromofluorobenzene (S)	92	%	70-130	1		08/22/18 05:34	460-00-4	
Toluene-d8 (S)	101	%	70-130	1		08/22/18 05:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		08/22/18 05:34	17060-07-0	

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August 2018 **Mulberry well Outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.144 mgd								
2	0.144 mgd								
3	0.144 mgd								
4	0.144 mgd								
5	0.144 mgd								
6	0.144 mgd								
7	0.144 mgd								
8	0.144 mgd								
9	0.144 mgd								
10	0.144 mgd								
11	0.144 mgd								
12	0.144 mgd								
13	0.144 mgd								
14	0.144 mgd								
15	0.144 mgd								
16	0.144 mgd								
17	0.144 mgd								
18	0.144 mgd								
19	0.144 mgd								
20	0.144 mgd								
21	0.144 mgd								
22	0.144 mgd								
23	0.144 mgd								
24	0.144 mgd								
25	0.144 mgd								
26	0.144 mgd								
27	0.144 mgd								
28	0.144 mgd								
29	0.144 mgd								
30	0.144 mgd								
31	0.144								

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
8. Unusual conditions, significantly affecting operations must be reported immediately to the Department of Natural Resources.
9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS

PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.46 MG total			

MO 780-1306 (7-01)

pH 7.57

Pace Analytical Services, LLC
525 N. 8th Street
Salina, KS 67401
(785)827-1273

ANALYTICAL RESULTS

Project: Monthly
Pace Project No.: 60280495

Sample: Mulberry Well Outfall #1 **Lab ID: 60280495001** Collected: 09/12/18 13:07 Received: 09/13/18 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Trichloroethene	**32.0**	ug/L	0.50	1		09/19/18 17:45	79-01-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		09/19/18 17:45	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		09/19/18 17:45	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		09/19/18 17:45	17060-07-0	

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September 2018 **Mulberry well Outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.139 mgd								
2	0.139 mgd								
3	0.139 mgd								
4	0.139 mgd								
5	0.139 mgd								
6	0.139 mgd								
7	0.139 mgd								
8	0.139 mgd								
9	0.139 mgd								
10	0.139 mgd								
11	0.139 mgd								
12	0.139 mgd								
13	0.139 mgd								
14	0.139 mgd								
15	0.139 mgd								
16	0.139 mgd								
17	0.139 mgd								
18	0.139 mgd								
19	0.139 mgd								
20	0.139 mgd								
21	0.139 mgd								
22	0.139 mgd								
23	0.139 mgd								
24	0.139 mgd								
25	0.139 mgd								
26	0.139 mgd								
27	0.139 mgd								
28	0.139 mgd								
29	0.139 mgd								
30	0.139 mgd								
31									

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
8. Unusual conditions, significantly affecting operations must be reported immediately to the Department of Natural Resources.
9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.17 MG total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.64

Pace Analytical Services, LLC
525 N. 8th Street
Salina, KS 67401
(785)827-1273

ANALYTICAL RESULTS

Project: Monthly
Pace Project No.: 60283177

Sample: Mulberry Well **Lab ID: 60283177001** Collected: 10/09/18 12:55 Received: 10/10/18 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Trichloroethene	**32.3**	ug/L	0.50	1		10/19/18 03:25	79-01-6	
Surrogates								
4-Bromofluorobenzene (S)	91	%	70-130	1		10/19/18 03:25	460-00-4	
Toluene-d8 (S)	100	%	70-130	1		10/19/18 03:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	121	%	70-130	1		10/19/18 03:25	17060-07-0	

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October 2018 **Mulberry well Outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.146 MGD								
2	0.146 MGD								
3	0.146 MGD								
4	0.146 MGD								
5	0.146 MGD								
6	0.146 MGD								
7	0.146 MGD								
8	0.146 MGD								
9	0.146 MGD								
10	0.146 MGD								
11	0.146 MGD								
12	0.146 MGD								
13	0.146 MGD								
14	0.146 MGD								
15	0.146 MGD								
16	0.146 MGD								
17	0.146 MGD								
18	0.146 MGD								
19	0.146 MGD								
20	0.146 MGD								
21	0.146 MGD								
22	0.146 MGD								
23	0.146 MGD								
24	0.146 MGD								
25	0.146 MGD								
26	0.146 MGD								
27	0.146 MGD								
28	0.146 MGD								
29	0.146 MGD								
30	0.146 MGD								
31	0.146 MGD								

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
8. Unusual conditions, significantly affecting operations must be reported immediately to the Department of Natural Resources.
9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4,526,000 total gallons pumped			
TESTS PERFORMED BY	TITLE	PHONE #	DATE

MO 780-1306 (7-01)

pH 7.57

Pace Analytical Services, LLC
525 N. 8th Street
Salina, KS 67401
(785)827-1273

ANALYTICAL RESULTS

Project: Monthly
Pace Project No.: 60286689

Sample: Mulberry Well **Lab ID: 60286689001** Collected: 11/13/18 12:31 Received: 11/14/18 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Trichloroethene	**34.4**	ug/L	0.50	1		11/20/18 01:53	79-01-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%	70-130	1		11/20/18 01:53	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		11/20/18 01:53	2037-26-5	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		11/20/18 01:53	17060-07-0	

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November 201 **Mulberry well Outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.139 mgd								
2	0.139 mgd								
3	0.139 mgd								
4	0.139 mgd								
5	0.139 mgd								
6	0.139 mgd								
7	0.139 mgd								
8	0.139 mgd								
9	0.139 mgd								
10	0.139 mgd								
11	0.139 mgd								
12	0.139 mgd								
13	0.139 mgd								
14	0.139 mgd								
15	0.139 mgd								
16	0.139 mgd								
17	0.139 mgd								
18	0.139 mgd								
19	0.139 mgd								
20	0.139 mgd								
21	0.139 mgd								
22	0.139 mgd								
23	0.139 mgd								
24	0.139 mgd								
25	0.139 mgd								
26	0.139 mgd								
27	0.139 mgd								
28	0.139 mgd								
29	0.139 mgd								
30	0.139 mgd								
31									

1. Fill out one copy of report each month and mail in monthly for each treatment facility.
2. Mail one copy of report to the appropriate **DNR regional office** as noted in your permit and keep one copy in your files.
3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
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9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.17 mg total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE
0.139 mgd			

MO 780-1306 (7-01)

pH 7.65

Pace Analytical Services, LLC
525 N. 8th Street
Salina, KS 67401
(785)827-1273

ANALYTICAL RESULTS

Project: Monthly
Pace Project No.: 60288517

Sample: Mulberry Well Outfall #1 **Lab ID: 60288517001** Collected: 12/04/18 12:59 Received: 12/05/18 10:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Trichloroethene	**30.6**	ug/L	0.50	1		12/17/18 13:36	79-01-6	
Surrogates								
4-Bromofluorobenzene (S)	91	%	70-130	1		12/17/18 13:36	460-00-4	
Toluene-d8 (S)	95	%	70-130	1		12/17/18 13:36	2037-26-5	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		12/17/18 13:36	17060-07-0	

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December 2018 **Mulberry well Outfall #1**

OPERATIONAL CONTROL PARAMETERS

DATE	PH UNITS	ALK. ml/l	DO mg/l	SET SOLIDS RAW ml/l	SUSP. SOLIDS MIXED LIQUOR mg/l	SETTLEABILITY MIXED LIQUOR ml/l	SLUDGE DISP. (LBS. DRY WT.)	TEMP °F - °C	RAIN AND WEATHER
1	0.147 mgd								
2	0.147 mgd								
3	0.147 mgd								
4	0.147 mgd								
5	0.147 mgd								
6	0.147 mgd								
7	0.147 mgd								
8	0.147 mgd								
9	0.147 mgd								
10	0.147 mgd								
11	0.147 mgd								
12	0.147 mgd								
13	0.147 mgd								
14	0.147 mgd								
15	0.147 mgd								
16	0.147 mgd								
17	0.147 mgd								
18	0.147 mgd								
19	0.147 mgd								
20	0.147 mgd								
21	0.147 mgd								
22	0.147 mgd								
23	0.147 mgd								
24	0.147 mgd								
25	0.147 mgd								
26	0.147 mgd								
27	0.147 mgd								
28	0.147 mgd								
29	0.147 mgd								
30	0.147 mgd								
31	0.147 mgd								

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3. Reports must be signed by whoever performed tests and by an appropriate official.
4. In the weather column, use the following symbols: R-rain, S-snow, C-clear, P.C.-partly cloudy and O-overcast.
5. Use grab sample for pH, Temp. and D.O. Use grab samples for all operational control test.
6. Use 24 hr. composite (proportional) samples for B.O.D. 5, and Suspended Solids tests unless NPDES permit indicates otherwise. Use "Standard Methods" or an approved equal for all parameters.
7. Treatment plant flow measurements may be made on either influent or effluent. Lagoon influent flow measurements need be only at the time of composite sampling of the influent. All tests must be performed in accordance with NPDES Permit Conditions and Operational Control Regulation 10 CSR 20-9.010. Review your permit for specific requirements.
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9. Representative sludge samples should be taken either before entering digesters and/or holding tanks or after removal from digesters or holding tanks.

COMMENTS
PERMIT MO 0124389

City of Camdenton
437 W. Hwy 54
Camdenton, Mo. 65020

Bill Jeffries
Director of Public Works
573-346-7293

TESTS PERFORMED BY	TITLE	PHONE #	DATE
4.557 mg total			
TESTS PERFORMED BY	TITLE	PHONE #	DATE
0.147 mgd			

MO 780-1306 (7-01)

pH 7.5