Anderson, Alan

From: Tom Myers <tmyers@siloamsprings.com>
Sent: Tuesday, June 28, 2016 9:17 AM
To: Anderson, Alan
Cc: Steven Gorszczyk; Jack Harrison
Subject: FW: NCR SiloamSprings AR0020273 June 15-2016
Attachments: NCR Siloam Sprigs AR0020273 June 15 2016.pdf; City of Siloam Springs BF60090 6-24-16.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Alan,

Here attached is a NCR for June 15, 2016. On June 15, 2016 installation was completed of the repaired centrifugal blower. Immediately the oxygen transfer began to re-established the needed dissolved oxygen requirements. Each day since centrifugal blower installation plant has improved. Field data shows all NPDES discharge parameters are now being met.

As data is received from contract laboratory I will forward to your attention.

Sincerely,

Thomas A. Myers
Wastewater Superintendent
City of Siloam Springs
Ph:479-524-5623
Cell:479-228-0934
tmyers@siloamsprings.com

NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality
NPDES Enforcement Section
5301 Northshore Drive
North Little Rock, AR 72118

RE: NPDES Permit No: AR0020273 **Discharge Number:** 001

Facility: Siloam Springs Wastewater Plant

Address: 975 Anderson Avenu

City: Siloam Springs **State:** AR **Zip:** 72761

Contact: Tom Myers **Phone:** 479-524-5623

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
6-15-2016	NH3-N	7.45 mg/L	7-Day Maximum	2.3 mg/L
6-15-2016	B.O.D.	35.0 mg/L	7-Day Maximum	22.5 mg/L

We feel this problem was due to:

Centrifugal blowers off line due to mechanical failure. Installation and start up of repaired centrifugal blower took place Wednesday June 15, 2016 and will take a few days to re-establish compliance discharge.

We plan on correcting the problem in this manner:

Centrifugal repaired blower installed and running well. Plant will be able to recover in a few days now that need air requirements are being met.

Time estimated that it will take to correct problem:

Plant will begin to recover immediately and be back into compliance in a few days.

Sincerely,

Authorized Signature

6/28/2016
Date

Certification Statement: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Revised March 2016)

1702 East Central Avenue Suite 10
Bentonville, AR 72712
479-271-7996 phone
479-271-8394 fax

Analytical Report

06/24/16 12:55

Client:	City of Siloam Springs	Work Order:	BF60090
	PO Box 80	Project Name:	Effluent-Influent
	Siloam Springs AR, 72761	Project Number:	Effluent-Influent
Attn:	Tom Myers	Date Received:	06/15/16

Sample ID	Laboratory ID	Date and Time Sampled	Sampled By	Sample Type
Effluent, Outfall 001	BF60090-01	06/14/16 10:00 - 06/15/16 09:00	Jack Harrison	Composite
Influent	BF60090-02	06/14/16 10:00 - 06/15/16 09:00	Jack Harrison	Composite

Comments:

Samples were received into laboratory at a temperature of 4.00 °C

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at (479)271-7996. Any opinions, if expressed, are outside the scope of the laboratory's accreditation.

These results relate only to the items tested. Estimated uncertainty is available upon request. This report has been electronically signed. .Results are reported on a wet weight basis unless otherwise noted.

David D'Amico
Laboratory Director

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06/24/16 12:55

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Attn:	Tom Myers	Date Received:	06/15/16

Environmental Testing Group

Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
BF60090-01 (Water) Sampled: 06/15/16 09:00					**Client Sample Name: Effluent, Outfall 001**				
Ammonia as N	7.45		mg/L	0.500	5	06/21/16 16:15	JCH	EPA 350.1	B6F2014
Carbonaceous BOD	35.0		"	1.00	1	06/17/16 07:30	JCH	SM 5210B CBOD	B6F1701
Nitrate Nitrogen	ND		"	0.200	"	06/21/16 20:54	JCH	[CALC]	[CALC]
Nitrate/Nitrite as N	ND		"	0.100	"	"	JCH	EPA 353.2	B6F2016
Nitrite as N	ND		"	0.100	"	06/16/16 15:53	JCH	"	B6F1608
Phosphorus, Total as P	0.712		"	0.0500	"	06/22/16 13:53	JCH	EPA 365.1	B6F2102
Total Suspended Solids	13.6		"	1.00	"	06/20/16 08:57	JCH	USGS I-3765-85	B6F2004
BF60090-02 (Water) Sampled: 06/15/16 09:00					**Client Sample Name: Influent**				
Ammonia as N	15.4		mg/L	0.500	5	06/21/16 16:15	JCH	EPA 350.1	B6F2014
Biochemical Oxygen Demand	193		"	1.00	1	06/17/16 07:30	JCH	SM 5210B	B6F1701
Nitrate Nitrogen	0.382		"	0.200	"	06/21/16 20:54	JCH	[CALC]	[CALC]
Nitrate/Nitrite as N	0.382		"	0.100	"	"	JCH	EPA 353.2	B6F2016
Nitrite as N	ND		"	0.100	"	06/16/16 15:53	JCH	"	B6F1608
Phosphorus, Total as P	7.35		"	0.500	10	06/22/16 13:53	JCH	EPA 365.1	B6F2102
Total Suspended Solids	100		"	1.00	1	06/20/16 08:57	JCH	USGS I-3765-85	B6F2004

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Attn:	Tom Myers	Date Received:	06/15/16

Chemistry Parameters by APHA/EPA Methods - Quality Control

Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F1608 - Wet Prep										
Blank (B6F1608-BLK1)				Prepared & Analyzed: 06/16/16						
Nitrite as N	ND	0.100	mg/L							
LCS (B6F1608-BS1)				Prepared & Analyzed: 06/16/16						
Nitrite as N	4.080	0.100	mg/L	4.00		102	90-110			
Matrix Spike (B6F1608-MS1)		**Source: BF60090-01**		Prepared & Analyzed: 06/16/16						
Nitrite as N	2.050	0.100	mg/L	2.00	ND	102	90-110			
Matrix Spike Dup (B6F1608-MSD1)		**Source: BF60090-01**		Prepared & Analyzed: 06/16/16						
Nitrite as N	2.030	0.100	mg/L	2.00	ND	102	90-110	0.980	3.29	
Batch B6F1701 - Wet Prep										
Blank (B6F1701-BLK1)				Prepared & Analyzed: 06/17/16						
Biochemical Oxygen Demand	ND	1.00	mg/L							
Carbonaceous BOD	ND	1.00	"							
LCS (B6F1701-BS1)				Prepared & Analyzed: 06/17/16						
Biochemical Oxygen Demand	233		mg/L	198		118	84.6-115.4			#
Carbonaceous BOD	206		"	198		104	84.6-115.4			
Duplicate (B6F1701-DUP1)		**Source: BF60089-01**		Prepared & Analyzed: 06/17/16						
Biochemical Oxygen Demand	314	1.00	mg/L		318			1.27	15	
Duplicate (B6F1701-DUP2)		**Source: BF60097-04**		Prepared & Analyzed: 06/17/16						
Biochemical Oxygen Demand	281	1.00	mg/L		299			6.21	15	

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	PO Box 80	Project Name:	Effluent-Influent
	Siloam Springs AR, 72761	Project Number:	Effluent-Influent
Attn:	Tom Myers	Date Received:	06/15/16

Chemistry Parameters by APHA/EPA Methods - Quality Control

Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F2004 - Wet Prep										
Blank (B6F2004-BLK1)				Prepared & Analyzed: 06/20/16						
Total Suspended Solids	ND	1.00	mg/L							
LCS (B6F2004-BS1)				Prepared & Analyzed: 06/20/16						
Total Suspended Solids	32.0	1.00	mg/L	40.0		80.0	80-120			
LCS (B6F2004-BS2)				Prepared & Analyzed: 06/20/16						
Total Suspended Solids	34.2	1.00	mg/L	40.0		85.5	80-120			
LCS (B6F2004-BS3)				Prepared & Analyzed: 06/20/16						
Total Suspended Solids	36.6	1.00	mg/L	40.0		91.5	80-120			
Duplicate (B6F2004-DUP1)		**Source: BF60076-01**		Prepared & Analyzed: 06/20/16						
Total Suspended Solids	146	1.00	mg/L		146			0.00	21.9	
Duplicate (B6F2004-DUP2)		**Source: BF60100-01**		Prepared & Analyzed: 06/20/16						
Total Suspended Solids	108	1.00	mg/L		108			0.00	21.9	
Batch B6F2014 - Wet Prep										
Blank (B6F2014-BLK1)				Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	ND	0.100	mg/L							
LCS (B6F2014-BS1)				Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	5.11	0.100	mg/L	5.00		102	90-110			
Matrix Spike (B6F2014-MS1)		**Source: BF60084-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	2.57	0.100	mg/L	2.00	0.604	98.3	90-110			

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	Siloam Springs AR, 72761	Project Number:	Effluent-Influent
Attn:	Tom Myers	Date Received:	06/15/16

Chemistry Parameters by APHA/EPA Methods - Quality Control

Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F2014 - Wet Prep										
Matrix Spike (B6F2014-MS2)		**Source: BF60090-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	3.50		mg/L	2.00	1.49	100	90-110			
Matrix Spike Dup (B6F2014-MSD1)		**Source: BF60084-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	2.58	0.100	mg/L	2.00	0.604	98.8	90-110	0.388	10	
Matrix Spike Dup (B6F2014-MSD2)		**Source: BF60090-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Ammonia as N	3.48		mg/L	2.00	1.49	99.5	90-110	0.573	10	
Batch B6F2016 - Wet Prep										
Blank (B6F2016-BLK1)				Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	ND	0.100	mg/L							
LCS (B6F2016-BS1)				Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	7.60	0.100	mg/L	8.00		95.0	90-110			
Matrix Spike (B6F2016-MS1)		**Source: BF60080-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	6.38	0.100	mg/L	4.00	2.65	93.2	90-110			
Matrix Spike (B6F2016-MS2)		**Source: BF60090-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	3.85	0.100	mg/L	4.00	ND	96.2	90-110			
Matrix Spike Dup (B6F2016-MSD1)		**Source: BF60080-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	6.39	0.100	mg/L	4.00	2.65	93.5	90-110	0.157	10	
Matrix Spike Dup (B6F2016-MSD2)		**Source: BF60090-01**		Prepared: 06/20/16 Analyzed: 06/21/16						
Nitrate/Nitrite as N	3.85	0.100	mg/L	4.00	ND	96.2	90-110	0.00	10	

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Attn:	Tom Myers	Date Received:	06/15/16

Chemistry Parameters by APHA/EPA Methods - Quality Control

Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F2102 - Wet Prep										
Blank (B6F2102-BLK1)				Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	ND	0.0500	mg/L							
LCS (B6F2102-BS1)				Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	1.03	0.0500	mg/L	1.00		103	90-110			
Matrix Spike (B6F2102-MS1)		**Source: BF60084-03**		Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	0.736	0.0500	mg/L	0.500	0.255	96.2	90-110			
Matrix Spike (B6F2102-MS2)		**Source: BF60091-02**		Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	0.560	0.0500	mg/L	0.500	0.0898	94.0	90-110			
Matrix Spike Dup (B6F2102-MSD1)		**Source: BF60084-03**		Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	0.727	0.0500	mg/L	0.500	0.255	94.4	90-110	1.23	6.01	
Matrix Spike Dup (B6F2102-MSD2)		**Source: BF60091-02**		Prepared: 06/21/16 Analyzed: 06/22/16						
Phosphorus, Total as P	0.563	0.0500	mg/L	0.500	0.0898	94.6	90-110	0.534	6.01	

Notes and Definitions

#	Recovery outside Laboratory historical or method prescribed limits.

ND	Analyte NOT DETECTED at PQL	ug/L	Micrograms/Liter (PPB)
PQL	Practical Quantitation Limit	ug/Kg	Micrograms/Kilogram (PPB)
mg/L	Milligrams/Liter (PPM)	dry	Sample results reported on a dry weight basis
mg/Kg	Milligrams/Kilogram (PPM)		

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Attn:	Tom Myers	Date Received:	06/15/16

CERTIFICATIONS

Certified Analyses included in this Report

Analysis	Certifications
EPA 350.1	ADEQ,NELAP
Ammonia as N	ADEQ,NELAP
EPA 353.2	ADEQ,NELAP
Nitrate/Nitrite as N	ADEQ,NELAP
Nitrite as N	ADEQ,NELAP
EPA 365.1	ADEQ,NELAP
Phosphorus, Total as P	ADEQ,NELAP
SM 5210B	ADEQ,NELAP
Biochemical Oxygen Demand	ADEQ,NELAP
SM 5210B CBOD	ADEQ
Carbonaceous BOD	ADEQ
USGS I-3765-85	ADEQ,NELAP
Total Suspended Solids	ADEQ,NELAP

The laboratory at Environmental Testing Group Inc.operates under the following certifications and accreditations:

The accredited report results were obtained in compliance with 2009 TNI standards unless otherwise noted. For a complete list of accredited analytes, please contact your project manager.

Code	Description	Number	Expires
ADEQ	State of Arkansas	04-0574/09-071-0	10/19/2016
NELAP	FL DOH	E871035	06/30/2016

City of Siloam Springs

975 Anderson Avenue P.O. Box 80
Siloam Springs, AR Siloam Springs, AR 72761
website: **siloamsprings.com**

Phone: 479-524-5623 Fax: 479-524-4653

CITY OF SILOAM SPRINGS

WATER POLLUTION CONTROL FACILITY

BF60090-01 A
Effluent, Outfall 001
Sampled: 06/15/16 09:00
Water-. Work Order Label

City of Siloam Springs

CHAIN OF CUSTODY

Client Information		Project Information	
Company Name:	Siloam Springs	Permit/Project #:	Weekly Testing
Address:	P.O. Box 80	Project Order #:	1 of 1
	410 N. Broadway	Sampler Name(s):	Jack Harrison
	Siloam Springs, Ar 72761	and Signature(s):	Jack Harrison
Telephone:	(479) 524-5623		
FAX:	(479) 524-4653		

Sample Identification		Sample Collection				Sample Containers				Requested Parameters							
Identification	Lab Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	CBOD	Total Suspended Solids	NH3-N	BOD	NO-3		TP	
Effluent, Outfall 001	BF60090-01	6/14/16 6/15/16	1000 0900	Comp	H_2O	P	2 QT.	Refrigerated	1	X	X						
Effluent, Outfall 001	-01	6/14/16 6/15/16	1000 0900	Comp	H_2O	P	500 ML	H_2SO_4	1			X		X		X	
Influent	90-02	6/14/16 6/15/16	1000 0900	Comp	H_2O	P	500 ML	H_2SO_4	1			X		X		X	
Influent	-02	6/14/16 6/15/16	1000 0900	Comp	H_2O	P	1 QT.	Refrigerated	1		X		X				

	Date	Time		Date	Time	
Relinquished By: (Signature and Printed Name) Jack Harrison	6/15/16	13:30	Received By: (Signature and Printed Name) OSCAR T. Cook	6/15/16	13:30	Custody Seals: Used? ☐ Intact? ☐
Relinquished By: (Signature and Printed Name) OSCAR T Cook	6-15-16	15:30	Received By: (Signature and Printed Name)	6/15/16	15:30	Turnaround: Regular X Special ☐
Relinquished By: (Signature and Printed Name)	Date	Time	Received for Lab By: (Signature and Printed Name)	Date	Time	Were samples properly preserved: Yes X No ☐

Comments: Sampler Effluent Temp 3.4 oCStart 3-6 oC Stop
Sampler Influent Temp 2.8 oCStart 3-1 oC Stop

G:\WP50\DOC\FORMS\CHAIN.XLS Cool all samples to 4 degrees C. Chlorinated? Yes No

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