

Anderson, Alan

From: Tom Myers <tmyers@siloamsprings.com>
Sent: Tuesday, June 07, 2016 1:13 PM
To: Anderson, Alan
Cc: Steven Gorszczyk
Subject: RE: Request for additional information concerning Siloam Springs wwtp effluent excedances

Alan,

Yesterday email response.

From: Tom Myers
Sent: Monday, June 06, 2016 11:56 AM
To: 'Anderson, Alan'
Cc: Steven Gorszczyk; Healey, Richard; Bolenbaugh, Jason; Blanz, Bob; Osborne, Caleb; Johnson, Miles; Jack Harrison; Holland Hayden
Subject: RE: Request for additional information concerning Siloam Springs wwtp effluent excedances

Alan,

Below following your questions is the needed response in Red.

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

From: Anderson, Alan [<mailto:ANDERSON@adeq.state.ar.us>]
Sent: Friday, June 03, 2016 4:08 PM
To: Tom Myers
Cc: Steven Gorszczyk; Healey, Richard; Bolenbaugh, Jason; Blanz, Bob; Osborne, Caleb; Johnson, Miles
Subject: Request for additional information concerning Siloam Springs wwtp effluent excedances

Tom Meyer:

As a follow up to our conversation on June 3, 2016, the ADEQ Office of Water Quality requests the City of Siloam Springs provide the following information concerning the mechanical problems that caused the NH3-N, BOD, and TSS excursions at the Siloam Springs Wastewater Treatment Plant.

Please provide daily photographs of the discharge at the outfall, downstream and upstream of the treatment plant. Please email Jason Bolenbaugh and I copies of photographs until the problem is resolved and the effluent returns to permit limits. **Agreed will provide daily pictures of outfall, downstream and upstream. See attached photo's 6-6-16.**

Please provide information on the City's interim measures plan to add and/or maintain as much Dissolved oxygen as possible in the effluent. Please describe what options have been evaluated. An example of one option might be to hook

a vacuum truck up to the aeration basin, pump water into the tank and then discharge it back into the basin with as much turbulence as possible. We add a six inch trash pump to recirculate flow to hopefully add more air. Going to add another 6" trash pump today 6-6-16. Picture attached illustrates trash pump working. Effluent at end of Chlorine Contact Chamber is being aerated and D.O. 7.2 ppm at discharge to stream. Picture 090531 illustrates we have air in the tank however not sufficient to meet needed requirements.

Please explain if an evaluation has been made to cease or limit the major industrial discharges into the City's WWTP until the WWTP is fully operational and not exceeding their permit limitations. Contacted industries that discharge organic wastewater. All agreed to minimize and control their discharges. See attached Contract Laboratory report which indicates low influent numbers.

Please provide a detailed description of the mechanical problems with the blowers and explain the delay in completing the repairs to the blowers. Blowers were specified to be used to draw hydrogen sulfide off Primary Clarifiers and Primary Gravity Thickener. Special coating to fans inside centrifugal blowers. Four centrifugal blowers two 250 hp and two 300 hp. Blowers were alternated weekly. Manufacturer representative came to plant to help with field repair before complete failure. They could not achieve field repair. Manufacturer said the special coating fractured and caused each of the blowers to fail within two weeks. City sent immediately blower to St. Peters, Missouri manufacturer repair shop. Manufacturer said it is listed as HOT emergency repair. Manufacturer is trying to have needed parts ship to repair shop to complete needed repairs.

New blowers will not have special coating and air will be drawn from ambient air only hence forth.

ADEQ requests a response by 12:00pm on Monday June 6, 2016.

If you have any questions, please do not hesitate to contact me.

Alan Anderson
Enforcement Analyst
Office of Water Quality
Phone: 501-682-0635
Fax: 501-682-0880

Anderson, Alan

From: Tom Myers <tmyers@siloomsprings.com>
Sent: Tuesday, June 07, 2016 1:24 PM
To: Anderson, Alan
Subject: FW: Gardner Denver Lamson 1268 Blower Failure

Alan,

Here is most recent information from Garver Engineer Firm questioning Gardner Denver.

From: Tate, Russell, D [mailto:RDTate@GarverUSA.com]
Sent: Tuesday, June 07, 2016 9:49 AM
To: Steven Gorszcyk; Tom Myers; Buntin, Chris, R
Cc: Jack Harrison
Subject: RE: Gardner Denver Lamson 1268 Blower Failure

Steve –

I did get back in contact with Gardner Denver and I think Chris gave Tom a quick run-down yesterday.

Basically, they explained they make a wide variety of blowers and each blower model has several different configurations. They strive to maintain parts in stock but for the larger models like yours, they don't stock as much. At the time your blower was sent in, they did not have enough of the specific impellers that your blower required (takes 8). Because of this, GD had to coordinate with a foundry and get the impellers cast. They were delivered to the GD headquarters in Philadelphia on Friday and were scheduled to ship to the repair center in Missouri yesterday. The people I spoke with could not foresee any reason why the blower wouldn't be ready to be returned by Friday of the this week. I have a conference call with them tomorrow to get a status update.

In the meantime, if there's anything else we can do to help, don't hesitate to give us a call.

Thanks,

Rusty

Rusty Tate, PE
Garver
479-527-9100

From: Steven Gorszcyk [mailto:sgorszcyk@siloomsprings.com]
Sent: Tuesday, June 07, 2016 8:01 AM
To: Tom Myers <tmyers@siloomsprings.com>; Tate, Russell, D <RDTate@GarverUSA.com>; Buntin, Chris, R <CRBuntin@GarverUSA.com>
Cc: Jack Harrison <jharrison@siloomsprings.com>
Subject: RE: Gardner Denver Lamson 1268 Blower Failure

Rusty,

Any word?

I appreciate your input on this. It seems as though our continual questioning of the manufacturer has little impact, which is why I asked Tom to make contact with Garver. Perhaps the idea of basing your future blower designs on other manufacturers may get their attention.

Thanks,

Steve

Steve Gorszczyk

Public Works Director

City of Siloam Springs

(479) 238-0935 Office

(479) 228-4888 Cell

sgorszczyk@siloamsprings.com



From: Tom Myers

Sent: Saturday, June 04, 2016 8:50 AM

To: Tate, Russell, D <RDTate@GarverUSA.com>; Buntin, Chris, R <CRBuntin@GarverUSA.com>

Cc: Steven Gorszczyk <sgorszczyk@siloamsprings.com>; Jack Harrison <jharrison@siloamsprings.com>

Subject: Re: Gardner Denver Lamson 1268 Blower Failure

Rusty,

Thank you!

Tom Myers

City of Siloam Springs

From: Tate, Russell, D <RDTate@GarverUSA.com>

Sent: Friday, June 3, 2016 2:42:38 PM

To: Tom Myers; Buntin, Chris, R

Cc: Steven Gorszczyk; Jack Harrison

Subject: RE: Gardner Denver Lamson 1268 Blower Failure

Gentlemen –

After a series of phone calls yesterday and today, I was able to get in contact with the Director of Aftermarket Sales at Gardner Denver. I gave him a quick rundown of what was going on and the delays that you guys have faced over the last several weeks. He's currently making phone calls on his end to see what's going on and what the hold ups have been. I'm supposed to hear back from him later today or first thing Monday morning. I'll let you know what I find out.

Rusty

Rusty Tate, PE
Garver
479-527-9100

From: Tom Myers [<mailto:tmyers@siloamsprings.com>]
Sent: Friday, June 03, 2016 10:18 AM
To: Buntin, Chris, R <CRBuntin@GarverUSA.com>; Tate, Russell, D <RDTate@GarverUSA.com>
Cc: Steven Gorszczyk <sgorszczyk@siloamsprings.com>; Jack Harrison <jharrison@siloamsprings.com>
Subject: Gardner Denver Lamson 1268 Blower Failure

Chris and Rusty,

Thank you for returning my call yesterday afternoon. Our discussion was about poor repair service and availability of parts for blower repairs from Gardner Denver. I appreciate anything you can do to help with this emergency repair needs by Gardner Denver. They tell me it is categorized as hot meaning emergency repair. Schedule of parts to the St. Peters, Missouri shop is next week with possibility of completion by Friday June 10th. The City of Siloam Springs would appreciate anything you can help with to expedite this repair work and return for installation.

Sincerely,

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



Analytical Report

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

06/02/16 17:35

Client: City of Siloam Springs
 PO Box 80
 Siloam Springs AR, 72761
 Attn: Tom Myers

Work Order: BE60119
 Project Name: Effluent-Influent
 Project Number: Effluent-Influent
 Date Received: 05/25/16

Environmental Testing Group

Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
BE60119-01 (Water) Sampled: 05/25/16 09:00					Client Sample Name: Effluent, Outfall 001				
Ammonia as N	9.40		mg/L	0.500	5	06/01/16 23:41	JCH	EPA 350.1	B6E3103
Carbonaceous BOD	35.9	G	"	1.00	1	05/25/16 15:00	JCH	SM 5210B CBOD	B6E2501
Nitrate Nitrogen	ND		"	0.200	"	05/30/16 11:25	JCH	[CALC]	[CALC]
Nitrate/Nitrite as N	ND		"	0.100	"	"	JCH	EPA 353.2	B6E3001
Nitrite as N	ND		"	0.100	"	05/26/16 14:38	JCH	"	B6E2604
Phosphorus, Total as P	1.34		"	0.250	5	06/01/16 12:56	JCH	EPA 365.1	B6E3104
Total Suspended Solids	38.0		"	1.00	1	06/02/16 10:41	MBM	USGS I-3765-85	B6E3102
BE60119-02 (Water) Sampled: 05/25/16 09:00					Client Sample Name: Influent				
Ammonia as N	12.2		mg/L	0.500	5	06/01/16 23:41	JCH	EPA 350.1	B6E3103
Biochemical Oxygen Demand	126		"	1.00	1	05/25/16 15:00	JCH	SM 5210B	B6E2501
Nitrate Nitrogen	0.780		"	0.200	"	05/30/16 11:25	JCH	[CALC]	[CALC]
Nitrate/Nitrite as N	0.974		"	0.100	"	"	JCH	EPA 353.2	B6E3001
Nitrite as N	0.194		"	0.100	"	05/26/16 14:38	JCH	"	B6E2604
Phosphorus, Total as P	4.37		"	0.500	10	06/01/16 12:56	JCH	EPA 365.1	B6E3104
Total Suspended Solids	280		"	1.00	1	06/02/16 10:41	MBM	USGS I-3765-85	B6E3102







