

Kimithy Jones

From: Stacy Cowart
Sent: Wednesday, July 26, 2023 9:34 AM
To: Kimithy Jones
Subject: FW: Sewer plant valve and other items

Please print this email out for me. Thank you.

From: Chaparro, Sean <Sean.Chaparro@arcadis.com>
Sent: Friday, July 21, 2023 4:48 PM
To: Kiel Kruse <kiel@sgscsi.com>; Todd Hubbard <twofoldtodd@gmail.com>; Robert Domingue <rdomingue@columbiacountyfla.com>; Shawn & Jessica Heckman <heckmanelectricinc@gmail.com>; scowart@columbiacountyfla.com; Roncone, Kirk <kroncone@mackconcrete.com>; Goppert, Tim <tgoppert@mackconcrete.com>
Cc: Tony Colburn <tony.sgscontracting@gmail.com>
Subject: RE: Sewer plant valve and other items

Thanks Kiel. The list below captures the items identified and discussed onsite today.

Thanks again,

Sean

Sean Chaparro, PE | Associate Vice President | sean.chaparro@arcadis.com
Arcadis | Arcadis U.S., Inc.
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Professional Registration / PE-FL, 75865; MI, 6201053773; GA, 040291

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From: Kiel Kruse <kiel@sgscsi.com>
Sent: Friday, July 21, 2023 2:49 PM
To: Chaparro, Sean <Sean.Chaparro@arcadis.com>; Todd Hubbard <twofoldtodd@gmail.com>; Robert Domingue <rdomingue@columbiacountyfla.com>; Shawn & Jessica Heckman <heckmanelectricinc@gmail.com>; scowart@columbiacountyfla.com; Roncone, Kirk <kroncone@mackconcrete.com>; Goppert, Tim <tgoppert@mackconcrete.com>
Cc: Tony Colburn <tony.sgscontracting@gmail.com>
Subject: RE: Sewer plant valve and other items

Good Afternoon all,

Please find the punch list that we discussed this morning below-please add anything that I may have missed. Kirk/Tim, please confirm your availability to be on site to start working on these issues as soon as possible.

BY SGS:

1. Fix Leaking Valve on IC near Clarifier #2
2. Fix drainage/washout/grading issue at CCC on train #1

BY MACK:

1. Clarifier Leak-Needs to be addressed ASAP as this leak is getting worse as time goes by.
2. Headwork Platform- Gap between edge of platform and screen chute poses a safety risk. Can be rectified by extending handrail to existing handrail post on tank.
3. Mixer tripping out in AM-LCP-2-. Won't run more than ~30 minutes at a time. Amps witnessed to steadily climb when running.
4. Heaters in RP-LCP-2 sized incorrectly. Currently B19.5, need to be B2.65. Mack to confirm size.
5. Overload Block on Motor Starter #1 in RP-LCP-2 not re-setting
6. Steel cable in tank #2 of Train #2 rubbing on air hose. Air hose and/or cable to be re-routed to eliminate conflict
7. Ensure bolts on stair case handrail are properly tightened
8. Eastech screen on CCC not displaying flow totals
9. Timer in FE-LCP-2 not working.

Thanks,

Kiel Kruse

SGS Contracting Services, Inc.

M: (913) 788 - 0088

From: Chaparro, Sean <Sean.Chaparro@arcadis.com>

Sent: Thursday, July 20, 2023 2:56 PM

To: Kiel Kruse <kiel@sgscsi.com>; Todd Hubbard <twofoldtodd@gmail.com>; Robert Domingue <rdomingue@columbiacountyfla.com>; Shawn & Jessica Heckman <heckmanelectricinc@gmail.com>; scowart@columbiacountyfla.com; Roncone, Kirk <kroncone@mackconcrete.com>; Goppert, Tim <tgoppert@mackconcrete.com>

Subject: RE: Sewer plant valve and other items

Thanks Kiel. I plan on being there tomorrow morning too. See you then.

Thanks,

Sean

Sean Chaparro, PE | Associate Vice President | sean.chaparro@arcadis.com

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From: Kiel Kruse <kiel@sgscsi.com>

Sent: Thursday, July 20, 2023 2:55 PM

To: Todd Hubbard <twofoldtodd@gmail.com>; Robert Domingue <rdomingue@columbiacountyfla.com>; Chaparro, Sean <Sean.Chaparro@arcadis.com>; Shawn & Jessica Heckman <heckmanelectricinc@gmail.com>; scowart@columbiacountyfla.com; Roncone, Kirk <kroncone@mackconcrete.com>; Goppert, Tim <tgoppert@mackconcrete.com>

Subject: RE: Sewer plant valve and other items

Good Afternoon Everyone-

I'll be on site tomorrow morning working through all the emails that came out this week to make one new punchlist that we can work from so nothing gets lost here.

Mack cannot make it tomorrow. After we review these issues in the morning I'll send the new list out to the group so Mack can see what needs to get done.

Thanks,

Kiel Kruse

SGS Contracting Services, Inc.

M: (913) 788 - 0088

From: Kiel Kruse

Sent: Thursday, July 20, 2023 9:35 AM

To: Todd Hubbard <twofoldtodd@gmail.com>

Cc: Robert Domingue <rdomingue@columbiacountyfla.com>; Chaparro, Sean <Sean.Chaparro@arcadis.com>; Stacy Cowart <scowart@columbiacountyfla.com>

Subject: RE: Sewer plant valve and other items

Todd-

Sent this over to Shawn, his response is "The Surge Blowers have logic in the Control Panel that you can see on the CP schematic that will not allow them to run in auto off of the timer unless one or both pumps are on".

Does that maybe explain what you're seeing out there?

Kiel Kruse

SGS Contracting Services, Inc.

M: (913) 788 - 0088

From: Todd Hubbard <twofoldtodd@gmail.com>

Sent: Thursday, July 20, 2023 8:34 AM

To: Kiel Kruse <kiel@sgscsi.com>

Cc: Robert Domingue <rdomingue@columbiacountyfla.com>; Chaparro, Sean <Sean.Chaparro@arcadis.com>; Stacy

Cowart <scowart@columbiacountyfla.com>

Subject: Re: Sewer plant valve and other items

Robert

Per our conversation the surge blowers will run in hand on the new plant but will not come on in auto with timer. Let me know if you have any questions.

Todd Hubbard

Two Fold Water Engineering

352-745-1941

twofoldtodd@gmail.com

Sent from my iPhone

On Jul 19, 2023, at 10:45 AM, Kiel Kruse <kiel@sgscsi.com> wrote:

I have talked to both Shawn and Kirk at Mack this morning. When Shawn was on site last he checked both the draw and heater size on the mixer and both check out as normal. At this point he needs Mack on site to work through this issue as well as the readout. Shawn can be at the meeting 8:00 am Friday morning if we go forward with that.

Kirk says that he and Tim Goppert (his foreman) are in Everglades City today. He is supposed to talk with Tim and get back to me on when they will be on site.

Kiel Kruse

SGS Contracting Services, Inc.

M: (913) 788 - 0088

From: Robert Domingue <rdomingue@columbiacountyfla.com>

Sent: Wednesday, July 19, 2023 9:49 AM

To: Chaparro, Sean <Sean.Chaparro@arcadis.com>

Cc: Kiel Kruse <kiel@sgscsi.com>; Stacy Cowart <scowart@columbiacountyfla.com>; Todd Hubbard <twofoldtodd@gmail.com>

Subject: Re: Sewer plant valve and other items

Good morning all,

Here is what I've done. Yesterday afternoon. I opened the valve and supplied the old train for a couple of hours. Then return the valve to flow to both plants. Doing the same this morning and later this afternoon.

Status as of this morning.

Train #1. 11640 gallons effluent since 1pm yesterday. Fluctuating from 5-15 effluent on chart. Bar screen with FOG.

Train #2. Unsure on actual effluent flow. Chart shows fluctuations from 5-50. Bar screen showed flow into system.

Digital still offline

Mixer failed just after visit yesterday. Estimated offline 16 hours.

I believe we can attempt to keep both plants running, this is subject to change. With the following concerns cleared up ASAP.

- Digital readout fixed. We need for flow and reports.

- daily exercising of the gate to increase flow and prevent clogs to old train a couple of times a day everyday. This is to prevent overuse of 2nd train and to balance flow between trains. Work in progress not sure it going to work long term.

- Mixer failure needs to be rectified. This I believe had to do with some electronic components we swapped out from return pump panel (escapes my brain at this time).

- at this time I do not know if new train is operating properly or is alive. I will confer with Twofold on its status.

These are just off the top of my head to keep the train running. Subject to change at future notice.

Thank you,
Robert Domingue
Columbia County Utilities Superintendent
rdomingue@columbiacountyfla.com
386-984-5872

Sent from my iPhone

On Jul 19, 2023, at 8:41 AM, Chaparro, Sean <Sean.Chaparro@arcadis.com> wrote:

Hello Robert,

Thanks for the update. When you noted there was no noticeable flow after Monday night – was this to Train 1 or 2? Is flow going to both trains this morning and did it maintain flows overnight? If flows are going to both trains, is the flow measurement chart and digital display still showing no flow? I think we should try to keep flow going to both trains at least until Friday to get a better feel for the flow distribution and flow recording issues. Would this be ok? I can meet onsite on Friday at 8 AM to check on the issues and current operation. If we need to send all flow to train 1, can we try splitting flow when I am onsite on Friday?

Kiel – can you please get with the manufacturer about the flow display/recorder issues?

Thanks,

Sean

Sean Chaparro, PE | Associate Vice President | sean.chaparro@arcadis.com
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Professional Registration / PE-FL, 75865; MI, 6201053773; GA, 040291

<image001.png>

Be green, leave it on the screen.

From: Kiel Kruse <kiel@sgscsi.com>
Sent: Wednesday, July 19, 2023 8:29 AM
To: scowart@columbiacountyfla.com; Chaparro, Sean <Sean.Chaparro@arcadis.com>; Robert Domingue <rdomingue@columbiacountyfla.com>
Subject: RE: Sewer plant valve and other items

Sean I'm going to need some input from you on this. What is the next step here?

Rob- While this gets sorted out should we kill the flow to train #2 and send it all through #1? I'm going to have to look into this display, this is something that I need to get the manufacturer involved with.

Kiel Kruse

SGS Contracting Services, Inc.
M: (913) 788 - 0088

From: Stacy Cowart <scowart@columbiacountyfla.com>
Sent: Tuesday, July 18, 2023 8:06 PM
To: Sean Chaparro <sean.chaparro@arcadis.com>; Kiel Kruse <kiel@sgscsi.com>
Subject: Fwd: Sewer plant valve and other items

What are we going to do about this?

Sent from my iPhone

Begin forwarded message:

From: Robert Domingue <rdomingue@columbiacountyfla.com>
Date: July 18, 2023 at 8:02:50 PM EDT
To: Stacy Cowart <scowart@columbiacountyfla.com>
Cc: Todd Hubbard <twofoldtodd@gmail.com>
Subject: Sewer plant valve and other items

Stacy,

Reviewing this afternoon at the sewer plant.
Influent flow into train 1 was low, just over 5000 g over over a 29 hour period. (8am Monday to 2pm Tuesday).

No noticeable effluent flow since 6pm Monday night, chart was flatlined. This was expected for a short period of time, since SGS seeded from train 1, though not expected over a 20 hours.
I do not believe the valve is equalizing the flow between plant. We are getting some flow since there was a buildup of "FOG" in the bar screen.

Which may or may not have contributed to the low flow through the new valve. Though insufficient to maintain pass through.

Which leads to the major issue on the new plant effluent chart and digital display. I was unable to get a flow reading from the digital display or the chart. So I have no idea the amount is of liquid that passed through train #2 as effluent.

- First the easy fix the chart. Removed and changed chart paper since originally a test sheet. Removed cap over chart pen.

-As to the display-this is the second time the digital display is not reflecting total flow through contact chamber. 1st time was at the first seeding in early June. I do not know if it is a component issue within the product or it's possible the effect of sunlight and heat buildup on the control panel. Since it is directly in sunlight and was hot at 5pm tonight, The panel does display primary menu items, it just does not display reading. Which leads me to believe it's a component or sensor issue.

I did open the gate valve for a couple of hours to feed old plant before setting back to setting for both plants. I will see what chart shows tomorrow.

I apologize if this is long, I just wanted to get my thoughts down. If possible I will reach out to Todd tomorrow to see what can be done. That is why I CC'ed him.

Todd, your flow numbers will be off for your DMR for July, I wanted you to know it is in case it's an issue.

Thank you,
Robert Domingue
Columbia County Utilities Superintendent
rdomingue@columbiacountyfla.com
386-984-5872

Sent from my iPhone

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