

Greg Ulman

From: Brian Marquardt <marquardtb@rohdebros.com>
Sent: Friday, February 14, 2025 2:45 PM
To: 'Elbert JOHNSON'; Nina MCGRATH; Emily Nurmi; Mark Mackey; Zach Gilmaster; Joe Kafczynski; Greg Ulman
Cc: Dan Moore; Brandon Mancilla
Subject: RE: [External] [EXT]Re: Kronenwetter treatment plant backwash

Thank you Sonny for following up on this issue.
Mark, let us know how the backwash goes next week.

BRIAN MARQUARDT

Superintendent
Rohde Brothers Inc.
920-838-1628
marquardtb@rohdebros.com

From: Elbert JOHNSON <e.johnson@kurita-water.com>
Sent: Friday, February 14, 2025 2:36 PM
To: Nina MCGRATH <n.mcgrath@kurita-water.com>; Emily Nurmi <Emily@williamreidltd.com>; Brian Marquardt <marquardtb@rohdebros.com>; 'Mark Mackey' <mmackey@kronenwetter.org>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>
Cc: Dan Moore <moored@rohdebros.com>; Brandon Mancilla <Brandon@williamreidltd.com>
Subject: RE: [EXT]Re: Kronenwetter treatment plant backwash

I just spoke with Mark Makey about the Alarm he is seeing. I instructed him to see if it happened again the next time he backwashes, as this alarm did not happen while I was on site. During the transition of the valves when going into backwash and the well shutting down, this is causing a spike in the pressures as noted by the differential gage, however this reading is being ignored by the PLC, regarding queuing up another backwash. This is not causing any shutdown of the backwash sequence or the filtering capabilities of the filter. If the alarm continues as a nuisance alarm, this will need to be addressed in the future.

Elbert (sonny) Johnson

National Equipment Specialist
Mobile 612-760-2840 | e.johnson@kurita-water.com
Kurita America Inc. | Tonka Water, a Kurita brand | www.kuritaamerica.com



From: Nina MCGRATH <n.mcgrath@kurita-water.com>
Sent: Friday, February 14, 2025 12:12 PM
To: Emily Nurmi <Emily@williamreidltd.com>; Brian Marquardt <marquardtb@rohdebros.com>; 'Mark Mackey'

<mmackey@kronenwetter.org>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>;
Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>
Cc: Dan Moore <moored@rohdebros.com>; Brandon Mancilla <Brandon@williamreidltd.com>
Subject: RE: [EXT]Re: Kronenwetter treatment plant backwash

Emily/Brian –

My apologies, I am only now getting this. Looks like I wasn't included in the very first email and the forward from Brian didn't come to me.

Let me look into this and see what is recommended, I think it should be okay in the short term, but I want the AE and design to review.

Thank you,

Nina McGrath

Project Manager

Direct 763-957-1947 | Mobile 651-706-0498 | n.mcgrath@kurita-water.com

Kurita America Inc. | www.kuritaamerica.com

From: Emily Nurmi <Emily@williamreidltd.com>

Sent: Friday, February 14, 2025 12:00 PM

To: Brian Marquardt <marquardtb@rohdebros.com>; 'Mark Mackey' <mmackey@kronenwetter.org>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>; Nina MCGRATH <n.mcgrath@kurita-water.com>

Cc: Dan Moore <moored@rohdebros.com>; Brandon Mancilla <Brandon@williamreidltd.com>

Subject: [EXT]Re: Kronenwetter treatment plant backwash

Sonny and Nina,

Have you had a chance to review their concern and supply a response?

Please advise. Thank you!!!

Emily Nurmi (she, hers, her)

Project Manager



PO Box 397

Germantown, WI 53022

O: 262-255-5420 C: 608-733-1403

Emily@williamreidltd.com

From: Brian Marquardt <marquardtb@rohdebros.com>
Sent: Wednesday, February 12, 2025 2:37 PM
To: 'Mark Mackey' <mmackey@kronenwetter.org>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>; Nina HALVERSON <n.halverson@kurita-water.com>; Emily Nurmi <Emily@williamreidltd.com>
Cc: Dan Moore <moored@rohdebros.com>
Subject: RE: Kronenwetter treatment plant backwash

Sonny and Nina,

Can you comment on Mark's email and what he was seeing during his first backwash? Be sure to "reply all" with comments or questions so everyone is kept up to date.

BRIAN MARQUARDT
Superintendent
Rohde Brothers Inc.
920-838-1628
marquardtb@rohdebros.com

From: Mark Mackey <mmackey@kronenwetter.org>
Sent: Wednesday, February 12, 2025 1:46 PM
To: Brian Marquardt <marquardtb@rohdebros.com>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>
Cc: Dan Moore <moored@rohdebros.com>
Subject: Kronenwetter treatment plant backwash

All,
We completed our first backwash on our own today (2-12-25). Everything went smoothly except for one little hiccup. During the Restoration stage of the backwash, we received a "Pressure Differential" alarm when water from the distribution system was flushing the cell (currently being backwashed) to waste. The differential gauge pegged out and then dropped back down below 5 psi several times. We were able to clear the alarm in each instance. Since the water on the influent side of the filter is isolated and static is there any harm coming to the filter if we keep getting these alarms during the backflush process?

Mark Mackey
Operator – Kronenwetter Water Utility
(715)574-3868
mmackey@kronenwetter.org

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Greg Ulman

From: Joe Kafczynski <jkafczynski@becherhoppe.com>
Sent: Wednesday, February 19, 2025 1:16 PM
To: Brandon Mancilla; Mark Mackey; Emily Nurmi; Brian Marquardt; Zach Gilmaster; Greg Ulman; Elbert JOHNSON
Cc: Dan Moore; Ben J. Everswick
Subject: RE: [External] Kronenwetter treatment plant backwash

Mark,

To jump in here as well. There probably is no issue with upping the dose a little as well. You would just have to monitor the free chlorine levels to ensure you aren't seeing high levels come through the filter. If so, you may have to adjust your post chlorine feed rate to compensate for this.

If you have any questions, please feel free to contact us.

Thanks,

Joe Kafczynski, PE
Project Engineer

Becher-Hoppe Associates, Inc.
330 N. 4th Street | Wausau WI | 54403
Direct 715-845-0436 | Mobile 715-574-6031
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From: Brandon Mancilla <Brandon@williamreidltd.com>
Sent: Wednesday, February 19, 2025 11:20 AM
To: Mark Mackey <mmackey@kronenwetter.org>; Emily Nurmi <Emily@williamreidltd.com>; Brian Marquardt <marquardtb@rohdebros.com>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>
Cc: Dan Moore <moored@rohdebros.com>
Subject: RE: [External] Kronenwetter treatment plant backwash

Mark,

I can help you with the chemical pump question immediately. There is a setting on the pump that will ensure the pump does not become air bound, it is called auto deaeration. It would be noted as on if there is small bubbles located in the bottom left hand side of the screen. My guess is this was not turned on yet.

When you are back in front of the pump, please give me a call. I will ensure that this is setup properly.

I will allow Tonka to speak on the filters themselves.

Brandon Mancilla

Lead Sales Engineer



PO Box 397

Germantown, WI 53022

Ph: 414-331-5576

brandon@williamreidltd.com

Check out our new website!

williamreidltd.com

From: Mark Mackey <mmackey@kronenwetter.org>

Sent: Wednesday, February 19, 2025 11:14 AM

To: Emily Nurmi <Emily@williamreidltd.com>; Brian Marquardt <marquardtb@rohdebros.com>; Zach Gilmaster <zach@elliswi.com>; Joe Kafczynski <jkafczynski@becherhoppe.com>; Greg Ulman <gulman@kronenwetter.org>; Elbert JOHNSON <e.johnson@kurita-water.com>; Nina HALVERSON <n.halverson@kurita-water.com>

Cc: Dan Moore <moored@rohdebros.com>; Brandon Mancilla <Brandon@williamreidltd.com>

Subject: RE: [External] Kronenwetter treatment plant backwash

All,

We just completed our second "solo" backwash this morning (2-19-25). Again, during the Restoration stage of the backwash, we received a "Pressure Differential" alarm when water from the distribution system was flushing the cell (currently being backwashed) to waste. This time however differential gauge pegged out and stayed there for most of the cycle; it was only in the last 30 to 60 seconds it dropped below 5 psi. In each instance the alarm cleared itself after the gauge dropped below 5 psi. The same alarm occurred on all three cells during the restoration stage.

We also had another issue this time with the backwash process. During the cell 3 drawdown stage, the backwash effluent valve did not open automatically, and we received a "Limit switch failed to open" alarm. Once cleared the alarm the valve opened on its own and the backwash continued for cell 3.

On a side note, we have been having issues with the pretreatment chlorine feed pump. We have had to degas the lines several times now. Would increasing the dosage prevent this? We have had lower pretreatment residuals due to the loss of prime on the pump.

Mark Mackey

Operator – Kronenwetter Water Utility

(715)574-3868

mmackey@kronenwetter.org

From: Emily Nurmi <Emily@williamreidltd.com>

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Emily Nurmi (she, hers, her)

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