

Dawn Bartel

From: Brian Helminger <brian.helminger@hvmsd.org>
Sent: Wednesday, September 18, 2019 2:00 PM
To: Dawn Bartel
Subject: FW: HOVMSD Update -high flow event
Attachments: Flow event 9-19.pdf; rain gauge data 9-19.docx

Commissioner email - print for meeting packets

From: Brian Helminger <brian.helminger@hvmsd.org>
Sent: Wednesday, September 18, 2019 1:59 PM
To: Allyn Dannhoff <adannhoff@vokimberly.org>; Kent Taylor <Kent@littlechutewi.org>; John Sundelius <sundelius@kaukauna-wi.org>; Pat Hennessey <phennessey@darboysanitary.com>; Racquel Giese <gieser@combinedlocks.org>
Cc: Kevin Skogman <kevin.skogman@hvmsd.org>; bruce siebers <bmsiebers@gmail.com>; Dave Casper <djc3xx@gmail.com>; kcoffey238@gmail.com
Subject: HOVMSD Update -high flow event

Member community leadership:

I'm writing to follow up on the events of the past week to let you know that we have had another blending event here at HOVMSD. Conditions were in place with saturated soils and high precipitation intensity and totals. I've attached a pdf copy of the SCADA system trending that shows plant flows over time. The rainfall response at the treatment plant is both troubling and consistent with each rain event. The yellow flow lines is the peak flow meter with the green being the normal plant influent flow trend. The small amount of the peak flow on the 12th was not enough to fill our tankage and overflow the tanks creating a blending event. We were able to pump that sewage back to the head for full treatment.

On the 11th the treatment plant was flowing about 5700 gpm @ 9:30AM and by 10:45 the plant was seeing 17600 gpm only an hour and fifteen minutes later. By 11:00AM the peak flow equipment was activated and in service shutting down about 8:30PM. As in the past, Donohue will be analyzing the incident in detail but for now I wanted to bring this to your attention and encourage your continued efforts in collection system maintenance and repairs. This incident and its graph trace shows that the "inflow" portion of the I&I remains a major issue throughout member community collection systems. There has to be illicit connections and/or remaining open pathways leading directly and unimpeded into the sanitary sewers. There is far too much water entering the system for there not to be major system defects that to this point have yet to be found and corrected. When formulating your 2020 Collection system planning and budgets, please keep this incident and inflow in mind.

The flow trace and response on the 12th mimics the response from the day previous but luckily the rain quit just in time before a full-fledged blending event was triggered. The flows increased by 10,000 gpm between 11:00pm and 1:00am. Plant flows returned to a similar roughly 7500 gpm level within 24 hours. While that is roughly 2000 gpm minute higher than the flows had been before any of the rain events started, that is far more manageable and would reflect the infiltration component of I&I.

Also attached is the rain gauge data for this month.

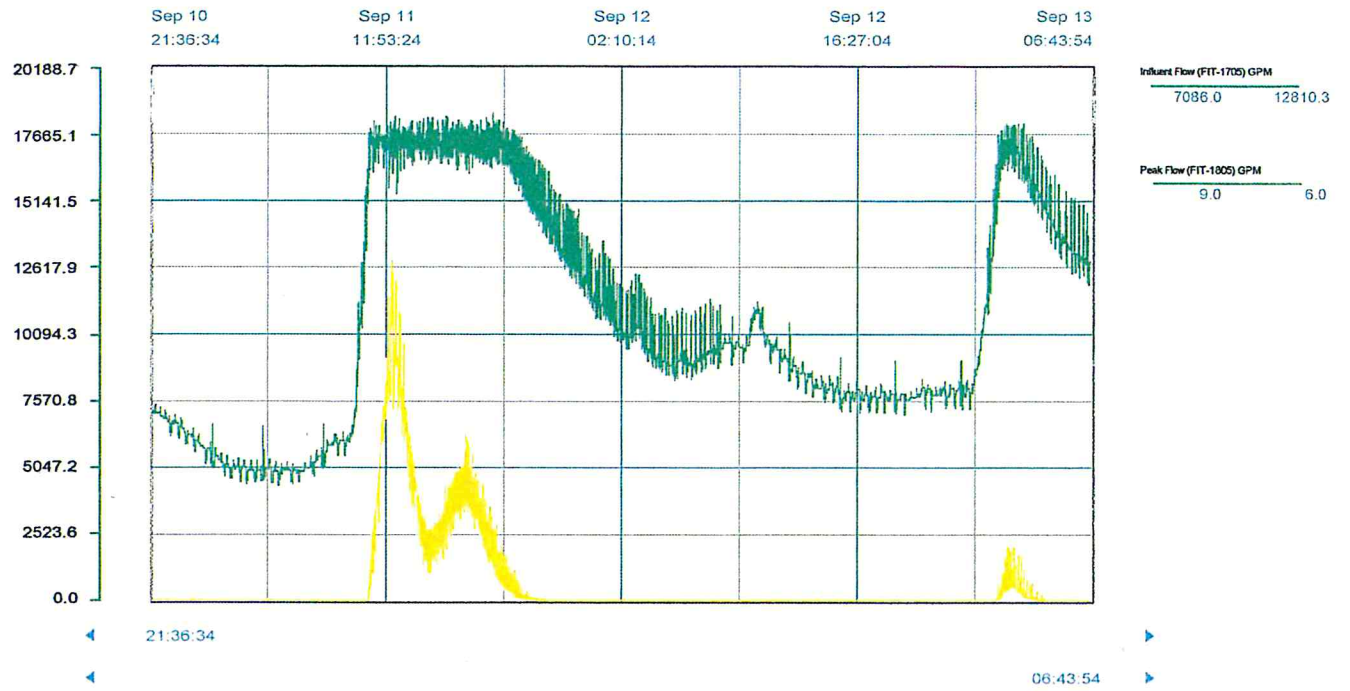
Please share this with other leaders in your community and with staff involved with collection system operations and maintenance.

Brian Helminger

District Director

**Heart of the Valley
Metropolitan Sewerage District
801 Thilmany Road
Kaukauna, WI 54130
Phone: 920-766-5731
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Historical Trend 1



MONTH: SEPTEMBER

YEAR: 2019

<u>DATE</u>	<u>PLANT</u> <u>INCHES</u>	<u>KAUKAUNA</u> <u>INCHES</u>	<u>LITTLE</u> <u>CHUTE</u> <u>INCHES</u>	<u>KIMBERLY</u> <u>INCHES</u>	<u>DARBOY</u> <u>INCHES</u>
1	0.01	Out of Order	0.05	0.03	0.00
2	0.01	Out of Order	0.00	0.00	0.00
3	0.53	Out of Order	0.55	0.53	0.47
4	0.00	Out of Order	0.00	0.00	0.00
5	0.09	Out of Order	0.08	0.04	0.06
6	0.01	Out of Order	0.00	0.00	0.01
7	0.00	Out of Order	0.00	0.00	0.00
8	0.00	Out of Order	0.01	0.01	0.02
9	0.42	Out of Order	0.35	0.31	0.48
10	1.44	Out of Order	1.50	1.22	1.19
11	2.21	Out of Order	1.48	1.55	2.11
12	0.73	Out of Order	0.82	0.97	0.84
13	0.09	Out of Order	0.05	0.04	0.03
14	0.00	Out of Order	0.00	0.00	0.00
15	0.03	Out of Order	0.01	0.00	0.00
16	0.00	Out of Order	0.00	0.00	0.00
17					
18					
19					

Dawn Bartel

From: Mark Hassman <M.Hassman@craneengineering.net>
Sent: Thursday, October 3, 2019 10:05 AM
To: brian.helminger@hvmsd.org; kevin.skogman@hvmsd.org; Dawn Bartel (dawn.bartel@hvmsd.org)
Cc: Jill Georger; Andrew Groves; Mike Blodgett; Eric Finnila; Lance Crane
Subject: Thank You
Attachments: IMG_5178.jpg

Good morning HOV!

Before we leave for Seattle I just wanted to say thank you for your gracious hospitality as we set up camp and learned about our process. You truly have been a blessing to our team and could not have made it this far without your support! I will let you know how "Delores" handles the Washington septage! We are scheduled to present our findings to the foundations Technical Advisory Board in January -it is then that we will know whether we go to Senegal! After that meeting we will work with you to schedule another luncheon and give your team an update!

On behalf of Crane Engineering and the foundation – THANK YOU!

Mark Hassman

Program Director

Crane Engineering

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Dawn Bartel

From: Brian Helminger <brian.helminger@hvmsd.org>
Sent: Wednesday, September 18, 2019 8:49 AM
To: 'Patricia K. Winkler'; phennessey@darboysanitary.com
Cc: Dawn Bartel
Subject: RE: reappointment approved by Calumet County Board

Thank you for the timely confirmation and notification!

Brian Helminger

District Director

Heart of the Valley
Metropolitan Sewerage District
801 Thilmany Road
Kaukauna, WI 54130
Phone: 920-766-5731
www.hvmsd.org

From: Patricia K. Winkler <Patricia.Winkler@calumetcounty.org>
Sent: Wednesday, September 18, 2019 8:21 AM
To: 'phennessey@darboysanitary.com' <phennessey@darboysanitary.com>
Cc: 'brian.helminger@hvmsd.org' <brian.helminger@hvmsd.org>
Subject: reappointment approved by Calumet County Board

Good Morning Mr. Hennessey,

I'm pleased to inform you that your reappointment to the Heart of the Valley Metropolitan Sewerage District was approved by the Calumet County Board at their Sept. 17, 2019 meeting. Your new term will expire Oct. 1, 2024.

Thank you,
Patricia

Patricia K. Winkler
Assistant to the County Administrator
Department of Administration



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Combined Locks Village Board to join Buchanan and Harrison in study

By Judy Dixon Hebbe

Following a closed session, the Combined Locks Village Board approved participation with Buchanan and Harrison in a feasibility study of potential cooperative efforts between fire departments and approved a development agreement for tax incremental financing district 3, which includes the Kwik-Trip and adjacent business district properties, plus one lot on Carefree Court.

The feasibility study will explore ways in which the three departments can reduce expenditures and increase efficiency through equipment purchase, training programs and administrative functions. The TID 3 will offer incentives for over performance by investors. Each lot is valued at \$400,000. Any development exceeding that value will be eligible for incentives.

Municipal Judge Steve Smits and Court Clerk Diane Casper briefed trustees on the work and benefits of a municipal court. They pointed out that the municipal court definitely has a local interest, frequently mentors those who appear and counsel with families on incidents involving minors.

"We focus on listening to the defendant and helping him or her resolve the problem," Judge Smits said.

Municipal court deals with minor infractions, primarily traffic, and defers criminal complaints to the county courts. The Village Board is exploring whether to retain a municipal court or eliminate it and send all infractions to Outagamie County.

Administrator Raquel Shampo-Giese was authorized to proceed with an application for a \$1 million loan from the Wisconsin Board of Commissioners of Public Lands. The municipal general obligation

loan will cover new street installation. Shampo-Giese estimated that the \$77,236 debt payments will have little effect on the budget as other debt will be dropping off the budget and Rys Woods property owners will be paying assessments.

After reviewing a letter from the Heart of the Valley Metropolitan Sewer District noting that I&I remains a major issue, Administrator Shampo-Giese and Keith Weyenberg, public works employee, presented a report from Midwest Water, which scanned 59 manholes this summer. A 3 rating indicates serious problems and requires immediate attention; a 2 rating indicates repair within one to three years and a 1 rating indicates a three to five year repair time.

The companies repair recommendations found eight with a 2 rating and one with a 3 rating. The 2019 budget allows for repair of seven manholes, including the one with a 3 rating. The village has an I&I Reserve Fund of \$96,000 and anticipates an additional \$96,000 being paid on this year's environmental run off unit contribution to the storm water utility from properties.

On the recommendation of the administrator, President John Neumeier asked trustees for a consensus on diverting that income into the 2020 budget to cover future I&I projects. The plan is to continue to scan manholes in the village and, initially, to repair manholes in low lying areas, such as ravines, first.

After reviewing the concept for a single family residential plat with a planned unit development overlay proposed for the area east and north of The Villas, the Village Board endorsed the recommendation of the Plan Commission and encouraged Chad Shea of Riverview Ridge, LLC to move forward on the project.