

# MINUTES

## HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT SPECIAL COMMUNITY MEETING HELD ON JUNE 30, 2021 AT THE VILLAGE OF KIMBERLY, KIMBERLY WISCONSIN

**Members Present:** David Casper - President  
Bruce Siebers - Vice President  
Patrick Hennessey - Secretary  
John Sundelius - Commissioner  
Kevin Coffey - Commissioner

**Absent:** None

**Also Present:** Brian Helminger - District Director HOVMSD  
Kevin Skogman - Director of Operations & Maintenance HOVMSD  
Dawn Bartel - Office Manager HOVMSD  
Chad Giackino - Regulatory Compliance Manager HOVMSD  
Scott Schramm - Strategic Municipal Services  
Mike Gerbitz - Donohue & Associates  
Darrell Hofland - Village of Little Chute  
James Fenlon - Village of Little Chute  
Mayor Tony Penterman - City of Kaukauna  
Mike Coenen – City of Kaukauna  
John Neumeier - City of Kaukauna  
Lee Hammen – Village of Kimberly  
Mike Hruzek – Village of Kimberly  
Danielle Block – Village of Kimberly  
Allyn Dannhoff - Village of Kimberly  
Mike Kawula - Darboy Sanitary District  
George Schmidt - Darboy Sanitary District  
Bruce Corning - Darboy Sanitary District  
Cathy VanderZanden - Village of Combined Locks Board  
John Neumeier – Village of Combined Locks  
Bradley Schinke - Village of Combined Locks Board  
Ryan Swick - Village of Combined Locks  
Scott Stein – Leonard & Finco  
Natalie Koehler – Leonard & Finco

### **1. 11:30 a.m. Call to Order – Roll Call**

President Casper called the meeting to order at 11:30 a.m.

## **2. 2021 Year to Date District Updates**

District Director Helminger welcomed the group to the second quarterly community meeting for 2021. Helminger presented 2021 YTD loadings and sewer connections added within the District for the first 5 months of 2021. The District has averaged 176 connections since 2007 and has 121 year to date in 2021. Plant influent flows are lower than expected with both BOD and ammonia loadings increasing at a moderate rate in line with recent years. Helminger began the discussion of Task order #1 and turned over the floor to Mike Gerbitz.

## **3. Mike Gerbitz of Donohue: Task Order #1 Master Planning-Capacity Analysis Summary**

Mike Gerbitz of Donohue reviewed a PowerPoint presentation and noted that the wastewater plant is running out of organic capacity faster than expected. BOD and ammonia loadings are at times, exceeding the nameplate plant capacity. On a positive note, Mike stated its likely that the plants true capacity exceeds the rated capacity. In the future, the District can manipulate the organic load and plant while testing the effluent to determine what the maximum load the plant can assimilate. This would be done in the summer and winter to take into account seasonal variation with the results submitted to DNR to increase the plant rated capacity. The District is staying ahead of the regulators by executing a thoughtful, cost effective plan to maximize return on the existing capital investment and address the loadings issue while maximizing the longevity of the plant and minimizing the cost of future upgrades.

## **4. Scott Schramm of SMS: Interceptor Action Plan Progress Update**

Scott Schramm of Strategic Municipal Services updated the communities on the status of the interceptor action plan. Scott noted that field observations are complete and televising reports have been reviewed. Next steps in the process include a review of the capital improvement plan, obtaining permits, and preparation of bidding documents. Scott stated that construction will affect a small pocket of the public, including residents along the Fox River and VandenBroek Road, along with several municipal parks.

Scott strongly urged the communities to inspect their manhole structures and televise their sewer lines looking for signs of MIC attack and concrete deterioration.

## **5. Mike Gerbitz of Donohue: Effluent Disk Filter Project Update**

Mike Gerbitz gave an update on the effluent disk filter project and noted that the plant cannot meet the new limits for suspended solids and phosphorus imposed by the DNR, which will become effective on 1/1/2024. Compliance with the TMDL allocation will require chemical conditioning and filtration; the chemical conditioning captures phosphorus in particulate form for removal, whereas the filter media provides a physical barrier which will allow the capture and removal of suspended solids and phosphorus. Mike noted that the plan is on schedule with bidding in early 2022 and construction in 2022-2023.

## **6. Mike Gerbitz of Donohue: Clearwater Review / Antecedent Moisture Model**

### **▪ 2021 Clearwater Data Collection/New Antecedent Moisture Model**

Helminger noted that 2020 was a transition year in the clearwater reduction program. The existing antecedent moisture model is 15 years old and is no longer the industry standard.

Laser flowmeter data collected today cannot be used with the existing AMM that was calibrated with ultrasonic flow meter data.

The goal of the clearwater sustainability plan is to maintain or extend the hydraulic capacity of the treatment plant and interceptor by decreasing clearwater intrusion. Mike noted that 2020 performance was good with no reported hydraulic capacity issues.

Present day, the best available technology for the clearwater program is the laser flow meters and a collection system model with integral robust antecedent model. Mike stated that the laser flow meters have remarkable accuracy and the collection system model is commercially available and supported, and can be recalibrated with current flow data on an annual basis. These technical improvements will provide the District and its member communities with an easier to understand annual clearwater report beginning in 2022.

## **7. General Old or New Business**

HOVMSD has partnered with Leonard & Finco, a public relations and marketing firm in Green Bay, to assist with communication materials, press releases, and project updates for the interceptor project.

District Director reminded the attendees that all HOVMSD agendas and supporting materials are available on the website ([hvmsd.org](http://hvmsd.org)).

## **7. Adjournment**

With no further business before the Commission, a motion was made by Commissioner Sundelius and seconded by Commissioner Coffey to adjourn the meeting. Motion carried unanimously. (Time: 12:46 PM)

SIGNED & APPROVED BY: \_\_\_\_\_

  
Patrick E. Hennessey, Secretary