

# MINUTES

## HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT SPECIAL MEETING/PUBLIC HEARING HELD ON **OCTOBER 22, 2019** AT THE HEART OF THE VALLEY MEETING ROOM.

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

**Absent:** None

**Also Present:** Brian Helminger - District Director HOVMSD  
Dawn Bartel - Office Manager HOVMSD  
Kevin Skogman - Director of Operations & Maintenance HOVMSD  
Scott Schramm – Strategic Municipal Services  
Andy Jacque – Water Quality Investigations  
Racquel Giese – Village of Combined Locks  
Kent Taylor – Village of Little Chute  
Allyn Dannoff – Village of Kimberly

### **1. 5:00 p.m. Call to Order – Roll Call**

President Casper called the meeting to order at 5:00 PM.

### **2. Public Hearing for the Adoption of the 2020 Budget & Rate Charge Parameters**

A motion was made by Commissioner Siebers and seconded by Commissioner Hennessey to enter into a Public Hearing. Motion carried.

District Director Helminger noted for the record that the budget being considered for adoption contains changes since it was publicly noticed as a Class I legal ad in the Appleton Post Crescent on 10/5/2019. These changes amounted to an additional \$14,435. Hearing no comments from the audience and receiving no written correspondence, a motion was made by Commissioner Casper and seconded by Commissioner Hennessey to close the Public Hearing. Motion carried.

A motion was made by Commissioner Coffey and seconded by Commissioner Siebers to adopt the 2020 Budget as presented in the amount of \$6,499,872 with the rate charge parameters as follows: Flow \$0.696/1000 gallons; BOD \$0.220/pound;

Suspended Solids \$0.254/pound; Phosphorus \$6.321/pound; Ammonia-N \$1.320/pound; and Chlorides \$0.003/pound. A roll call vote was taken: Commissioner Casper, yes; Commissioner Sundelius, yes; Commissioner Hennessey, yes; Commissioner Coffey, yes; and Commissioner Siebers, yes. Motion carried unanimously. The 2020 operating budget reflects a .65% decrease from 2019.

### **3. Interceptor Action Plan – Progress Update by Scott Schramm of Strategic Municipal Services and Dr. Andy Jacque of Water Quality Investigations**

#### **a) Motion for reaffirmation of Resolution #181 identifying authorized representatives to file applications for financial assistance from the State of Wisconsin Environmental Improvement Fund/Clean Water Fund**

Scott Schramm reviewed a memorandum dated 10/22/2019 and also gave a power point presentation showing representative photos from field observations at select sites within the interceptor and its manholes. Measurements were taken both horizontally and vertically within the piping and the concrete degradation/loss was measured in the range of 3/4" of an inch. During field investigations there were no locations that had rebar reinforcement that was exposed and corroding. Scott noted that in general the interceptor is in good condition and while the MIC continues to impact the interceptor, the impacts are not catastrophic.

Scott continued his presentation with discussion summarizing the pilot study conducted from spring through October at meter stations and select locations along the interceptor route. The generation of sewage flows and resulting loads for sulfates, sulfides, and ammonia were presented. A summary of general relationships was presented relating to the Odolog data on H2S concentrations in the interceptor.

A portion of the pilot project included study of the syphon structures and the theory, based on previous anecdotal observations, that anaerobic conditions predominate during low sewage flow periods. District staff isolated the smaller syphon barrels and directed daily flows to the 34" barrel syphon all the while monitoring both sides with an Odolog H2S monitor. The results of the study determined that indeed septicity was present and that increased hydrogen sulfide gas was quickly formed and present in higher concentrations in the manholes.

Scott also noted a surprising swing in the temperatures from a low of 50 degrees in March to a high of 64 degrees in August and September. This documented change in interceptor temperature and sewage is greater than what is typically documented in sewage collection systems.

Dr. Andy Jacque of Water Quality Investigations then reviewed his report dated 9/28/2019 including biofilm indication and activity tests. Andy discussed in depth the corrosion assessment of the eight collected concrete coupons which were deployed in the interceptor system. The concrete coupons were suspended both in air and in the sewage flows to collect bacteria and biofilm. Trends in data suggest the potential for severe microbial induced corrosion (MIC) in the interceptor system both above and below the water line. Andy informed the Commission that his analysis confirmed that

ammonia, and not hydrogen sulfide, is the underlying cause of the MIC in the interceptor. The MIC that is occurring is dominated by ammonia consuming biofilm which like hydrogen sulfide scavengers, also produce acid. Andy reviewed his site specific final conclusions in detail, and his recommendations for controlling MIC in the system.

Scott will be present at the November 12<sup>th</sup> Regular Commission Meeting for ongoing discussions, with the possibility of a special meeting on November 20<sup>th</sup>.

A motion was made by Commissioner Casper and seconded by Commissioner Coffey to reaffirm Resolution #181, dated 10/9/2018; Identifying and appointing the District Director, Office Manager, and Scott Schramm of Strategic Municipal Services as the authorized representatives of the District for the purpose of filing applications for financial assistance from the State of Wisconsin Environmental Improvement/Clean Water Fund. A roll call vote was taken: Commissioner Casper, yes; Commissioner Sundelius, yes; Commissioner Hennessey, yes; Commissioner Coffey, yes; and Commissioner Siebers, yes. Motion carried unanimously.

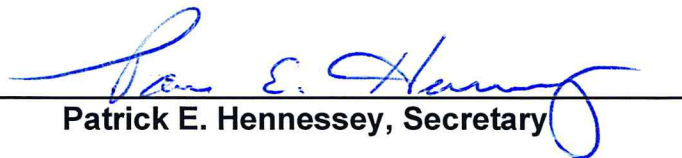
#### **4. General Old or New Business**

There was nothing to discuss under General Old or New Business.

#### **5. 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: 7:20 PM)

**SIGNED & APPROVED BY:**

  
Patrick E. Hennessey, Secretary