

MINUTES

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT SPECIAL MEETING HELD ON FEBRUARY 6, 2020 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
Kevin Skogman - Director of Operations & Maintenance HOVMSD
Scott Schramm – Strategic Municipal Services
Kent Taylor – Village of Little Chute

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

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

2. Outagamie County Landfill Information Request

District Director Helminger briefed the Commission on the meeting and plant tour with representatives of the Outagamie County Landfill. HOVMSD reviewed plant loadings that included 2019 loads and the difficulties with treating ammonia loads. Outagamie County briefed HOVMSD on the remaining landfill capacity and their continued efforts in moving forward with the NW cell. Outagamie County will continue to evaluate leachate disposal options along with on-site pretreatment technologies for the leachate. As Outagamie County continues its future planning options, they provided four key questions to HOVMSD and requested a written response to aid them in their planning. Helminger provided draft written responses for Commission review, additions, or edits. After discussion, no edits were suggested for the written responses.

3. Interceptor Action Plan – Progress Update by Scott Schramm of Strategic Municipal Services

Scott Schramm of SMS provided a summary handout containing discussion points and a summary of interceptor televising results and defect observations from three representative sections of the interceptor. Scott revisited the biofilm test results that identified ammonia as the predominant source of the MIC in the HOVMSD interceptor along with the science behind removing ammonia from the wastewater at a treatment plant.

The details and analysis of the recommended syphon operation strategy was discussed and presented to the Commission. The elevations of the syphons along with flow velocities at low flow, daily flow, and during storm conditions show the range of flows that need to pass through the syphons. SMS recommends plugging the 6-inch syphon barrel as it is now unable to pass present day average flows. The plan recommends using the 16-inch syphon for normal average annual daily flows and the 30-inch syphon would handle peak wet weather flows. The configuration of the sewer system will allow for installation of a single stainless-steel gate in manhole 42 that will direct peak flows into the 30-inch syphon. The gate would use the existing guide rails that allow for isolation of the 30-inch syphon and avoid any disturbance of the corrosion resistant coatings that are present in manhole 42. The Commission was in agreement with the concept and directed that the changes be documented and the analysis and operating plan be sent to DNR so it is on record.

The results of the interceptor televising were reviewed and show that MIC in the interceptor has continued to expose pipe aggregate throughout sections of the interceptor that were televised. There were no areas found that had exposed corroding rebar reinforcement and the material loss is estimated to be between $\frac{1}{4}$ and $\frac{3}{4}$ of an inch of pipe material. The exposed aggregate was not isolated to areas but rather was continuous along the sections of interceptor pipe. The three representative areas studied were far upstream from the treatment plant, a middle section of pipe after the syphon crossing, and a section of pipe just prior to entering the treatment plant.

The next actions taken will be to prepare a presentation for member community leadership and present the findings at the annual member community meeting in April. Additionally, when weather allows, Great Lakes TV Seal will be completing the televising of remaining sections of interceptor to complete the televising efforts and provide the District with a full condition assessment of the interceptor. Commissioner Casper stressed the importance of Great Lakes getting the remaining sections of interceptor televised as soon as possible.

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: 7:28 PM)

SIGNED & APPROVED BY: _____
Patrick E. Hennessey, Secretary