

## MINUTES

**TOWN OF YORKVILLE  
SEWER UTILITY DISTRICT COMMISSION  
TOWN BOARD ROOM  
UNION GROVE MUNICIPAL CENTER  
WEDNESDAY, MARCH 18, 2015**

### Call to Order

Sewer Utility District Commission President Peter Hansen called the meeting to order at 6:30 p.m.

### Roll Call

The following Sewer Utility District Commission members were present: Peter Hansen, Sherry Gruhn and Terrence McMahon. Thomas Johnson and Lawrence Robers were absent. Also present were Charles Boehm representing AECOM, Engineer Mark Madsen, Sewer Utility District Manager Gary Hanson and Clerk-Treasurer Michael McKinney.

### Approval of Minutes

***Motion (Gruhn, McMahon) to approve the February 26, 2015 Sewer Utility District Commission meeting minutes as submitted, Motion Carried (MC).***

### Approval of Sewer Utility District Financial Reports

***Motion (McMahon, Gruhn) to approve the February Sewer Utility District financial reports as submitted, MC.***

### Approval of Sewer Utility District Invoices

***Motion (Gruhn, McMahon) to approve Sewer Utility District invoices in the amount of \$20,306.95, MC.***

### New and Unfinished Business – Discussion and possible action on all of the following:

#### **AECOM's Wastewater Treatment Plant Capacity Analysis and District Boundary Update**

Charles Boehm from AECOM appeared before the Commission to provide a report on AECOM's wastewater treatment plant capacity analysis. He discussed several topics, including the status of the existing sewer utility service area boundary, the existing sewer utility plant's capacity and whether that plant's capacity can be increased, the existing and proposed regulatory requirements that would impact sewer plant expansion, and whether the existing sewer utility plant would have sufficient capacity to handle any future growth of the sewer utility district. He noted that the sewer service area boundary was never formally established and added that any future boundary expansion would require approval by the Southeastern Wisconsin Regional Planning Commission and the Wisconsin Department of Natural Resources. He stated that this approval would not be provided until the sewer utility addressed how it would reduce phosphorus and biochemical oxygen demand discharges.

Boehm stated that the existing sewer plant daily flow capacity is 150,000 gallons per day and added that the average daily flow in the first eight months of 2014 was approximately 65,000 gallons per day. He noted that daily flows during heavy rain and snow melt events have approached the sewer plant's daily flow capacity. Hanson noted that the daily flow would need to reach 250,000 gallons before bypassing would be necessary. Boehm stated that total projected daily flows could reach approximately 330,000 gallons per day if the remaining 131 developable acres within the existing sewer utility service area were developed, which is more than twice the sewer plant's existing daily flow capacity. He noted that expanding the boundary of the sewer utility service area to reach from Two Mile Road to Durand Avenue (STH 11), which would bring an additional area of 1,085 acres into the sewer district, might result in projected flows of up to 2.6 million gallons per day if all properties in the expanded district were developed, which is more than 17 times the existing daily flow capacity of the sewer plant. He stated that this projection would be more likely to occur if the new development consumed large quantities of water. He recommended that the Commission avoid expanding the sewer service area beyond its current boundaries to avoid overloading the existing plant.

Boehm stressed the need to continue efforts to decrease inflow and infiltration entering the sewer system. He discussed new sanitary sewer system and treatment plant requirements established by the Wisconsin Department of Natural Resources that are set to take effect in 2016. He also discussed the potential costs of expanding the existing sewer plant or of connecting to the City of Racine's Wastewater Utility. He noted that any expansion of the sewer utility plant would require Southeastern Wisconsin Regional Planning Commission and Wisconsin Department of Natural Resources approval. Hanson stated that the sewer utility may want to contract with a company that provides flow monitoring services. The Commission discussed whether the water utility district could be expanded to serve more customers without also having to expand the boundaries of the sewer utility district. The Commission requested that Boehm contact the City of Racine Wastewater Utility to determine what the costs may be to connect to their sewer utility.

***No formal action was taken by the Commission on this agenda item.***

#### **Scheduling a tour by the Sewer Utility District Commission of Yorkville Sewer Utility District facilities**

The Sewer Utility District Commission agreed to hold their Yorkville Sewer Utility District facilities tour on Tuesday, June 16, 2015, at 6:30 p.m., beginning at the Yorkville Sewer Utility treatment plant.

***No formal action was taken by the Commission on this agenda item.***

#### **Rescheduling the April 21, 2015 Sewer Utility District Commission meeting**

McKinney noted that the Town's annual elector meeting is scheduled for the same evening in April as the Sewer Utility District Commission meeting. The Sewer Utility District Commission chose to reschedule their meeting to Thursday, April 16, 2015, at 6:30 p.m.

***No formal action was taken by the Commission on this agenda item.***

## Reports

**Sewer Utility District Manager's Report** - Hanson reported to the Commission on the following:

- That spring sewer utility maintenance has begun
- That the sewer utility's chloride reduction and zinc reduction reports are due to the Wisconsin Department of Natural Resources by March 31
- That the Town's engineer plans to conduct zinc inspections and sampling to try to identify the source of recent elevated zinc levels found in sewer discharges
- That annual chemical sampling for each commercial and industrial sewer utility customer will begin in May
- The results of the Wisconsin Department of Natural Resources sewer lab audit conducted on March 10
- That one of the sewer utility employees is considering retirement at the end of 2015, adding that he is conducting an analysis to determine if it is more cost effective to hire a new employee at that time or to have the lab work done by that employee contracted out
- That he received a proposal from Mulcahy Shaw for using a disc filter to treat phosphorus in sewer effluent, which will be paid for with funds from the phosphorus minimization pilot study program

***Motion (Hansen, Gruhn) to approve the Mulcahy Shaw proposal for phosphorus treatment, MC.***

**Engineer's Report** - Madsen noted that he planned to contact the City of Racine Wastewater Utility to request a copy of a zinc questionnaire to send to commercial and industrial sewer utility customers.

**Clerk's Report** - McKinney noted that sewer bills and updated sewer rate information will be sent to sewer customers at the end of March.

## Other – Comments, questions and suggestions

No comments, questions or suggestions were provided.

## Adjournment

***Motion (McMahon, Gruhn) to adjourn, MC.*** The meeting was adjourned at 7:54 p.m. The next scheduled Sewer Utility District Commission meeting is Thursday, April 16, 2015, at 6:30 p.m.

Michael McKinney  
*Clerk-Treasurer*