



Village of Superior,  
Douglas County Wisconsin  
PO Box 3065, 6702 Ogden Avenue,  
Superior, WI 54880  
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On Thursday, January 13, 2022, the regular monthly board meeting for the Village of Superior was held at 7 P.M. at the Village Hall, 6702 Ogden Avenue. At 6:30 P.M. accounts payable vouchers were approved.

### **SUBJECT: Regular Board Meeting MINUTES**

- Meeting called to order by President John Wick, Roll call shows Trustee's Joe Podgorak and Greg Young present as well as Clerk-Treasurer Marsha Wick and 3 residents.
- Open Meeting Compliance Check: notice posted at Village Hall, Four Star Construction, Udeen Trucking and the Village bowl.
- Park & Rec Committee, Meagan Avery- absent
- Neighborhood watch committee, Katie Gallagher- absent
- Douglas County supervisor, Pat Ryan- absent
- **Communications:**
  - DNR/FEMA Floodplain ordinance reviewed
  - Northwoods technical college has openings on their board for three year terms.
- **Reports of Village Officers:**
- **Greg Young, Trustee:** everything running as it should. Waiting for sufficient ice on the sewer ponds to do our boring for sludge samples.
- **Joe Podgorak, Trustee** replaced feet on plow, keeping snow pushed back and sanding when necessary.
- **John Wick, President:** attended the finance committee meeting in the city to discuss our fire protection agreement.
- Motion by Greg to approve the treasurers report of December 9, 2021, seconded by Joe, all in favor
- Motion by Greg to approve the signed vouchers, seconded by Joe, all in favor
- Motion by Greg to approve the Board Meeting Minutes of December 9, 2021, seconded by Joe, all in favor
- **Old Business:**
  - Tabled from December meeting: Discussion on the DLS landfill in regards to leachate going into the sewer ponds, what does it contain? Could it be a possible result of our metal and phosphorus being high? discussion and possible action. After some discussion, Motion made by Greg to table again until next month meeting, seconded by Joe, all in favor. Carried.
  - MSA update on sewer project, Pat Morrow attending virtually. Update is attached.
- **New Business:**
  - Ayres contract for Municipal Separate Storm Sewer System (MS4) engineering services for 2022, action to be taken. Motion made by Greg to accept, seconded by Joe, all in favor, carried.
  - Anderson Hager & Moe certified public accounts, contract for services for 2021 audit, action to be taken. Motion made by Greg to accept, seconded by Joe, all in favor, carried.

- Motion to open meeting to Public Comments, (notice received by clerk, for agenda items ONLY) none
- Motion to adjourn made by Greg seconded by Joe, meeting adjourned at 8:20 pm.

Respectfully Submitted by:

*Marsha K. Wick*

*Clerk/Treasurer*

## Village of Superior, WI

CLIENT LIAISON: Pat Morrow, P.E.

Phone: (608) 355-8910 Cell: (608) 963-2094

pmorrow@msa-ps.com

DATE:

January 13, 2022

Sampling grid for sludge depth measurements and metals analysis.  
Provided to the Village in the memo Sludge Sampling dated 12/17/2021



### WASTEWATER FACILITY PLAN

Evaluation of the two alternatives for the WWTF continues. We have evaluated relocation of the WWTF's discharge to the Nemadji River, where phosphorus limits may be within the facility's current operating capabilities. An Effluent Limits Request for this new discharge was submitted to the Wisconsin DNR in November 2021. This request is still under review by WDNR staff and is expected to be complete by February.

As previously discussed with the Village, the other alternative consists of regionalization with the City of Superior. Ultimately, the ability to move the outfall vs. the need to regionalize with the City will come down to whichever option is most cost-effective for the Village and also satisfy the DNR/EPA antidegradation and anti-backsliding requirements.

A significant cost factor for the evaluation of the alternatives is the presence of metals in the sludge at the WWTF. Per DNR requirements, sludge that contains elevated levels of Nickel, Copper, Zinc, and other metals cannot be land applied and will need to be disposed of via landfill, which is much more costly. For this reason, MSA has requested WWTF staff to collect sludge samples for metals analysis. As discussed with staff, this sampling is currently planned to occur within the following weeks. Once results are obtained, total sludge quantities will be re-estimated, and the feasibility of land application vs landfill disposal will be assessed. The cost estimates will also be updated accordingly.

As discussed previously, rehabilitation and upgrades to the Main Lift Station are recommended. The Main Lift Station was constructed in 1995 and would be roughly 30 years old by the time any significant upgrades might occur. Please see the memo Facility Planning Considerations dated 12/06/2021 for details about each item. To summarize, a list of the recommended items is provided below.

- Eliminate Legacy Electrical Service (Provide New Service)
- Replace the Submersible Pumps
- Replace the Instrumentation and Control Systems
- New Communications and Data Monitoring and Reporting System
  - Replace the Permanent Standby Generator
- Replace Existing Concrete Tops of Utility Structures and Provide Safe Hatches

PROJECT UPDATE

Some of the items can be removed from the list of upgrades, but only at the risk of reducing reliability and increasing the chance of mechanical failure. Further, anything likely to fail within the 20-year planning period technically should be included in the Facility Plan. DNR will also expect, or at minimum strongly recommend, that the Facility Plan include or address these items, as the Wisconsin Administrative Code Chapter NR 110 has specific requirements for facility planning and evaluation of existing equipment.

We recommend that the Village include all the recommended items at the Main Lift Station as part of the 20-year plan. If further information (such as subsequent inspections or evaluations or additional Village input/knowledge) becomes available during the preliminary design process, we can remove them from the project scope. We hope that the Village can discuss these items and provide MSA with a decision on their inclusion at their earliest convenience.

Preliminary cost estimates for the "bare bones" lift station rehabilitation would suggest about \$425,000. However, the more comprehensive rehabilitation and upgrade project could be on the order of \$700,000 depending on the final scope.

Once again, we would like to thank the Village for your assistance during the Facility Planning process. It is MSA's goal to keep the Village involved and up to date. Our next steps include finalizing cost estimates, reviewing WDNR proposed effluent limits, analyzing sludge data, and wrapping-up facility planning for submission this winter/spring PROJECT UPDATE • MSA Page 2 of 2