



Village of Superior,
Douglas County Wisconsin
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On Thursday, February 10 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 & John from MSA
- 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, but sent an update, nothing new to report, will have some future bingo games etc dates TBD.
- Douglas County supervisor, Pat Ryan- absent
- **Communications:**
 - US Dept. of Commerce, Census Bureau, RE: changing to annual reporting instead of monthly.
 - WI DOR, RE: Board of review training changed from bi-annual to annual for at least one member.
 - League of WI Municipalities, re: sent a check in the amount of \$500.00 for the Park & Rec dept, Grant- motion to accept by John, seconded by Joe, all in favor.
- **Reports of Village Officers:**
 - **Greg Young, Trustee:** everything running as it should
 - **Joe Podgorak, Trustee:** doing some maintenance on equipment, pushing back snowbanks and trying to keep the roads as ice free as possible.
 - **John Wick, President:** Sen Ron Johnsons office, Mark Neilson contacted us regarding our wastewater and phosphorus issues and will refer us to the army corps of engineering. Army Corp of Engineering, contacted by Paul Powell, regarding the 154 program. It is a 75/25 cost sharing. We would do the work; they pay 75% and we pay 25%. Will contact MSA for more information on our project.
- Motion by Greg to approve the treasurers report of January 13, 2022 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 January 13, 2022, 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.
 - MSA update on sewer project, Pat Morrow attending virtually. Update is attached.

- **New Business:**
 - Douglas County Hazard Mitigation Plan, RE: Strategy and assessment, documents attached. See attached. Motion made by Joe to accept as written, seconded by Greg, all in favor.
- Motion to open meeting to Public Comments, (notice received by clerk, for agenda items ONLY)
Alex Grymala requested to speak on MSA and 154 plan...absent.
- Motion to adjourn made by Greg seconded by Joe, meeting adjourned at 7:30 pm.

Respectfully Submitted by:

Marsha K. Wick

Clerk/Treasurer

The Village Board of the Village of Superior identified the hazards that have potential for occurrence in Superior and outlying areas. The hazards prioritized by the Village Board, which have occurred in past years, are tornados, flooding, straight line winds, thunderstorms, lightning, wild fires, hailstorms, winter storms such as blizzards, droughts and excessive heat.

The most severe to the least severe were ranked, using number 3 as most severe and 1 as least severe.

The hazards were ranked as follows:

HAZARD	RISK ASSESSMENT
Tornados	3
Flooding	3
Straight Line Winds	3
Thunderstorms	2.5
Lightning	2.5
Wild Fires	2.5
Hail Storms	2.5
Winter Storms	2
Droughts	1.5
Excessive heat	1

General Hazard Mitigation Actions

Action 1: Improve advance warning and hazard notification capabilities.

Encourage village residents to sign up for the county's CodeRED system. CodeRED provides citizens with critical information, warnings, and advisories concerning an emergency. It allows citizens of Superior / Douglas County to take immediate, positive action to protect themselves in case of an emergency, and permits emergency response agencies to organize evacuation and shelters at any hour of the day or night.

Action 2: Develop a community shelter or community safe room.

A safe room is a hardened structure designed to meet Federal Emergency Management Agency (FEMA) 361 criteria to provide "near-absolute protection" in extreme weather events, including tornadoes. Near-absolute protection means that, based on our current knowledge of tornadoes, the occupants of a safe room built in accordance with FEMA guidance will have a very high probability of being protected from injury or death. Safe rooms are for the purpose of immediate life safety resulting from structural and building envelope protection against extreme wind hazards for a limited at-risk population that requires shelter for up to two hours. There is currently no designated shelter or safe room facility within the Village of Superior. Constructing a public shelter could involve retrofitting the existing village hall to withstand natural hazards (structural hardening, flood proofing) or constructing a community safe room.

Action 3: Ensure availability of power supply to critical/essential facilities in the Village of Superior.

A continuous power supply is critical to prevent service interruption in the village wastewater treatment system. A redundant power supply is needed at the primary pumping station, located at 76th Street and Ogden Avenue. Currently, the village hall also does not have a backup power supply and is vulnerable to power interruptions.

Action 4: Improve flood resiliency.

The Nemadji River flows through a portion of the eastern part of the village near John Avenue. Like many south shore tributary streams, the watershed slopes dramatically from the headwaters to the outlet at Lake Superior, making the river susceptible to flash flooding. Additionally, the areas clayey soils are highly erodible and subject to periodic bank slumping. Erosion control and flood control measures could protect the village and the many homes in the vicinity of the river. Currently there are two culverts (24" and 26") which drain a tributary to the Pokegama River which crosses Logan Avenue. These culverts have washed out in the past, preventing access to the village wastewater treatment facility and ponds and the Enbridge (RSV 21 Station) at the terminus of Logan Avenue. The City should also participate in the National Flood Insurance Program (NFIP).

Action 5: Minimize the risk and impacts of wildland fire.

A potential source of wildland fire in the village are a number of active rail lines. The village proposes to work cooperatively with railroad operators to improve hazardous fuels reduction within the rail line right-of-way.

Action 6: Improve salt storage capabilities

Road salt is a critical tool in managing snow and ice on village roads. The Village of Superior currently stores road salt outside under a rain tarp. This is a potential environmental hazard and is not a viable long-term solution to salt storage. A new, permanent facility needs to be constructed for salt storage.

Action 7: Identify vulnerable populations residing in the Village of Superior.

Currently, there is no information on the numbers and locations of vulnerable populations residing in the Village of Superior. The Village of Superior proposes to create and maintain an inventory of vulnerable populations in order to identify and reach these individuals in the event of a widespread emergency.

Tornados

The fire department will be advised of a tornado per the County communication center paging them. They will staff the fire department and open the village hall in case of an emergency. We will look into the possibility of using the Northwestern Middle and Elementary schools as emergency shelters as well.

Floods

Residents will be notified of a threat of a flood per the fire department going door to door and evacuating if necessary. The Village Hall and Fire Hall will be available if necessary for usage in case of a flood.

Straight Line Winds, Thunderstorms, Lightning and Hail

If government funding becomes available, the Village board in conjunction with other local governments will educate people with advertisements, pamphlets and training of what steps to follow to promote safety and life in the event of these hazards occurring. We will also place information and links on our website "<http://www.villageofsuperior.org/index.html>" for residents to use as a resource in case of emergency.

We encourage village residents to listen to weather stations when storms occur. We encourage village residents to listen to weather stations when storms are in the area and follow the warnings.

The village board will educate residents about the hazards of lightning and inform people in major storms that our auditorium is available in case of an emergency. Our fire department is paged by the County communication center for storms; the FD volunteers will be available to make residents aware of options when there are major storms.

The fire department will educate residents of the steps to follow in the event a wild fire occurs. The village board and the fire department will work together along with the Wisconsin DNR in the event this hazard should occur. An assessment of water sources will be made. Since the removal of the poplar dam the primary water source has been eliminated and plans are underway to place a series of underground storage tanks near the fire hall. Additional water sources have been identified in neighboring communities in case it is needed, along with the Superior Fire Department having the super pumper available. We have adequate equipment with mutual aid.

Wildfires

Winter Storms

This would include severe blizzards along with ice storms. The village crew will keep roads clear with every snowfall. If possible, the village crew will remove snow from residential areas so snow does not accumulate in large mounds. The village has stock piled an amount of sand and salt in case of an ice storm. In case of severe or excessive snow, extra help may be needed and will be addressed by the village board.

Droughts

The village board will help with awareness in these cases.

Excessive Heat

The village board and fire department will try to educate citizens if there is an extended time when heat is excessive.

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