



# NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT

113 Timber Trail, Island Lake, Illinois 60042

## REGULAR MEETING MINUTES

October 13, 2020

**Zoom Meeting w/ Video:** <https://us02web.zoom.us/j/7578151340>

Present by Zoom: Trustees: Ken Michaels, Lydia Ryberg, John Ragland, Timothy Brunn  
District Manager: Mohammed Haque; District Clerk: Deborah Martin  
Others: Superintendent Luke Markko

President Michaels called the meeting to order at 7:36 p.m.

### 1. CALL TO ORDER:

Roll Call: Timothy Brunn – Present  
John Ragland - Present  
Lydia Ryberg – Present  
Ken Michaels – Present

### 2. PLEDGE OF ALLEGIANCE:

*After the Pledge of Allegiance, President Michaels stated that due to the Governor's statewide disaster declaration relating to COVID-19, as President of the Northern Moraine Wastewater Reclamation District, he has determined that it is not prudent for the members of the District Board or staff to convene in person for tonight's meeting. The meeting will be held by video conference. The public is also invited to attend and listen to the meeting through Zoom or by phone as indicated on the meeting agenda. The meeting is being recorded in compliance with the Open Meetings Act.*

### 3. PRESENTATION & APPROVAL OF MINUTES:

#### a. Regular Meeting, September 8, 2020

Motion by Trustee Brunn to approve the Regular Meeting minutes of September 8, 2020 as presented.

2nd by Trustee Ragland

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg – Abstain  
Ken Michaels – Aye

3 ayes 0 nays 1 abstain

**MOTION CARRIED**

#### b. Executive Session, September 8, 2020

Motion by Mr. Brunn to approve the Regular Meeting minutes of September 8, 2020 as presented.

2nd by Mr. Ragland

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg – Abstain  
Ken Michaels – Aye

3 ayes 0 nays 1 abstain

**MOTION CARRIED**



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**4. TREASURER'S REPORT:**

a. Approval of the Monthly Treasurer's Report for month ending August 31, 2020

Trustee Ryberg presented the Monthly Treasurer's Report for month ending August 31, 2020 for Board approval. Trustee Ryberg asked District Manager why the District's savings account was lower than she had expected. District Manager Haque explained that the District had the North Clarifier repair, Round-a-bout expenditures. District Manager Haque reminded the Board that there were funds on loan to the Village of Lakemoor as part of our Woodman's agreement. President Michaels also reminded the Board that funds were transferred to the Checking account, due to a higher interest rate. It was also noted that the Quarterly Investment Report was included.

Motion by Mr. Ragland to approve the Treasurer's Report for month ending August 31, 2020 as presented.

2nd by Mr. Brunn

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 absent

**MOTION CARRIED**

**5. PUBLIC COMMENTS:** none

**6. MANAGER'S REPORT:**

Manager Haque reported to the Board that Staff members continue to have COVID-19 scares, as family members have tested positive. He assured the Board that no Staff member has tested positive for COVID-19 as of yet. Manager Haque reported to the Board that the District has kept the lobby closed to the public; he feels this will continue for the foreseeable future, but the drive-up will remain open unless things get worse. Manager Haque reported that the Sewer Cleaning project is pending. Mr. Haque informed the Board that the District has applied for grant funding for the Lift Station Upgrades and that the District is still awaiting word on the Control Building Electrical Grant and the Darrell Road project DCEO grants. Manager Haque reminded the Board that on this meeting's agenda is information about a new state grant available for unsewered communities, and that the District hopes to be awarded grant money to be used for Holiday Hills. He reminded the Board that later on in this meeting the Board will discuss a proposed settlement for the Lily Lake Road Improvement project. Manager Haque reported that the District is still working on a solution for the 520 Wegner Road business with the Village of Lakemoor. Manager Haque informed the Board that repairs to the North Clarifier are nearly completed, and staff is excited to have this Clarifier back in action. He also reported that the District is still looking for an operator-in-training. Manager Haque stated that the revenue is growing in Septage Receiving. He also reported that Staff is making good progress on the Sludge Drying Bed Cover project.

Superintendent Markko responded to Trustee Brunn's question about interference being detected when reading some meters due to low lying electrical lines. He wondered if new meter reading equipment was needed and Superintendent Markko explained that he felt that it was not a necessity at this time. President Michaels noted the green tubing that was pictured in Superintendent Markko's Zoom background screen and Mr. Markko explained that he and other members of WEFTEC had recently completed an operations challenge and he had that picture as a display to the sponsors. President Michaels also asked if the District has made any progress in finding where the high levels of ammonia noted earlier in the year in the Lakemoor area were originating from and Superintendent Markko explained that Staff is still sampling that area and that spikes on Mondays have resumed.



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Manager Haque informed the Board, as noted on the Delinquent Account Recap report, the District is filing more liens than we have in the past. This is due to the District's hope of protecting the District's right to collect outstanding debt when properties go into foreclosure, and there is concern that our area may see an increase soon in foreclosure filings.

**7. TRUSTEE REPORTS - none**

**8. LEGAL BUSINESS - none**

**9. OLD BUSINESS - none**

a. Board of Trustees Appointment for Term Ending April 30, 2021

Manager Haque informed the board that Senator Wilcox has approved the appointment of Jacob Mann as Trustee and that he expects to have more approvals soon.

**10. NEW BUSINESS**

a. Approval of Amendment to the IGA with the Village of Lakemoor for the Expansion of Sanitary Sewer Infrastructure

District Manager Haque reminded the Board of the IGA with the Village of Lakemoor in June of 2017 with a Memorandum of Understanding that allowed the Village to extend period of the reservation of allocated Population Equivalent. This amendment would allow for this extension. After discussion of their concerns of the increase of PE, the Board approved to table the agenda item.

Motion by Mr. Ragland to table Agenda Item 10A to approve a second amendment to the IGA with the Village of Lakemoor for the Expansion of Sanitary Sewer Infrastructure for the Lakemoor Commons.

2nd Mrs. Ryberg

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

b. Approval of a Resolution to Approve Change Order #2 with Headworks International

Motion by Mr. Brunn to approve a Resolution Authorizing the District Manager to approve Change Order #2 with Headworks International for an MS2 Bar Screen, increasing the price by \$2,292.00.

2nd Mr. Ragland

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

c. Board Discussion of Approved District Holidays

The Board had stated at a previous meeting that they wished to look again at the current approved holiday list for Northern Moraine. Provided to the Board at this meeting is a comparison of holidays observed at other municipal agencies in our area. The full 2021 approved Holiday list will be discussed at the December Board meeting.



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Motion by Mr. Ragland to remove Veteran's Day as an observed holiday for Northern Moraine beginning in 2021.

2nd Mr. Brunn

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

d. Approval of a Resolution Amending the Contract with Trotter & Associates for Funding Assistance

Motion by Mr. Ragland to approve a Resolution Authorizing the District Manager to enter into a second amendment to the contract with Trotter & Associates for Funding Assistance for grants in an amount not to exceed \$10,000.

2nd Mr. Brunn

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

e. Approval of Design Services with Automation Service & Design, Inc.

Motion by Mr. Brunn to approve a Resolution Authorizing the District Manager to enter into a contract with Automation Service & Design, Inc. for the Design Services for Lift Stations 1-5 Control Panels for an amount not to exceed \$12,840.

2nd Mrs. Ryberg

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

f. Adoption of a Resolution Designating Surplus Equipment to be Disposed through Auction

Motion by Mr. Ragland to approve a Resolution to designate items on Exhibit "A" as surplus and for the equipment to be auctioned through an on-line auction, administered by Obenauf Auction Service, Inc.

2nd Mrs. Ryberg

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 abstain

**MOTION CARRIED**

g. Approval of Employee Health Coverage Renewal

Manager Haque informed the Board that he did not have employee health insurance premium quotes available at this time for the Board to review. All Board members agreed to table this Agenda item until next month.

At this time, President Michaels began a discussion of the proposed settlement agreement concerning the Lily Lake Improvement Project lawsuit. President Michaels felt the proposed agreement was in the best interest of the residents along Lily Lake Road. The Board felt it would be important to have District Engineer, Scott Trotter, to oversee the work to be completed by Curran Contracting Company. As the Board began talking about voting



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on the acceptance of the proposed settlement, Manager Haque reminded the Board that since there is active litigation, the Board should move to Executive Session to discuss this item.

**13. OTHER BUSINESS – Executive Session**

Motion by Mr. Ragland at 8:39 pm to go into Executive Session to discuss litigation issues.

2nd by Mrs. Ryberg

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 absent

**MOTION CARRIED**

The Regular meeting reconvened at 8:40 pm.

President Michaels stated that the Board went into Executive Session to discuss imminent litigation matters. He stated that the Executive Session ended with no action taken.

Motion by Mrs. Ryberg to accept the Intergovernmental Settlement Agreement as presented with Curran Contracting Company concerning the shared costs of moving Northern Moraine Wastewater's sewer lines on Lily Lake Road at the cost to the District of \$117,000.00.

2nd by Mr. Brunn

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 absent

**MOTION CARRIED**

**11. MISCELLANEOUS CORRESPONDENCE**

a. MCCG Legislative Meeting: October 19, 2020 via ZOOM

**12. APPROVAL OF BILLS**

Motion by Mrs. Ryberg to approve payment of bills on the October 13, 2020 bill list as presented, in the amount of \$549,779.28.

2nd by Mr. Brunn

Roll Call Vote: Timothy Brunn - Aye  
John Ragland - Aye  
Lydia Ryberg - Aye  
Ken Michaels - Aye

4 ayes 0 nays 0 absent

**MOTION CARRIED**

**ADJOURNMENT**

Motion by Mrs. Ryberg to adjourn at 8:46 p.m.

2nd by Mr. Brunn

4 ayes 0 nays 0 absent

**MOTION CARRIED**



October 13, 2020

To: NMWRD Board of Trustees

From: Mohammed Haque, District Manager

Subject: Manager's Report

*All update items are in italics.*

### **CMMS / Sewer Cleaning & Televising**

The District is working on the conversion of the newly purchased van into an inexpensive CCTV station and has started to get quotes for the winch, flooring, power and generator package and ventilation that will be needed for the conversion. We are also starting to looking into NASSCO training. This training would teach them in 2 days how to code defects in sewers so that it is standardized amongst all users and systems. We anticipate getting 1-2 operators trained in this. *No update.*

### **2020 Project Funding / Grants**

The State Revolving Loan Fund priority listing has been released and the District has four future projects on it. The current SRF priority listing indicates that there will be principal forgiveness up to \$5 million per agency in future SRF loans. We have submitted an entry for the \$200,000 grant that we hope to receive for the Electrical project at the Control Building. We have also worked with the Village of Lakemoor and made an application for the entire Darrell Road Sewer project for a DCEO Infrastructure Grant. We received word that we did not get the fast-track grant for Darrell Road – Phase 1. *We are still waiting on word of our Control Building Electrical Grant and the Darrell Road Project (Complete) DCEO grants. Our application for a grant for COVID related expenditures was approved and we have started to make submittals for reimbursement of related costs. We anticipate receiving \$30,000-\$50,000 of related expenses. We have also received word that our grant for assistance for the Lift Station 1-7 Upgrades in Lakemoor has moved on to the next stage of approval. We will be making application for the Unsewered Grant Fund in Illinois for the Holiday Hills Sewer Project and will be working on that very shortly.*

### **COVID-19 Adjustments**

Staff have made numerous adjustments to accommodate the ongoing pandemic. We have re-started the office with staff all working in the office. Joe and I have separated each other in different “wings” of the office and we wear masks when we go into common areas that Debi and Madalina occupy. The lobby remains closed, but we have installed a plexiglass barrier and have re-opened the drive-through. We will continue to keep the lobby closed until Phase 5 or sooner if we feel it is needed. So far, we have not had anyone request an in-person meeting. *As Luke reported, we had a bit of a scare and had staff tested in case there was spread. Luckily, our continued use of social distancing and mask protocol has worked to date.*



### **Lily Lake Road Improvements – Nunda Township**

We continue to monitor the road on a regular basis. Additional reporting under Executive Session.

### **Wegner Road Stormwater Improvements – Nunda Township**

J Condon and Associates are designing a storm sewer for Nunda Township on Wegner Road, east of Lily Lake Road. This area also has both of our Lakemoor force mains as well as a gravity line. We have sent them plans for the sewers so that they can incorporate them in their designs. We have received the engineering plans from the Village of Lakemoor. It would appear that they have not included our sewers in their design. Data is being collected by Trotter & Associates and they will be issuing a letter regarding our sewer locations to J Condon. *Awaiting assistance in locating a short segment of the sewer.*

### **North Clarifier Repairs**

The work is progressing nicely and major installation of the mechanicals will start on September 14. *Purchase orders were issued for Electrical, additional Concrete and Metering Vault procurement. See Operations and Engineering report for further updates.*

### **Woodmans [Force Main + Gravity Sewer Extension + Lift Station]**

District board has approved the project improvements, contingent on punchlist item completion. We have received final as-built drawings of the improvements and have accepted the improvements. Final payment is contingent upon the Village meeting the requirements as outlined in our Intergovernmental Agreement with the Village of Lakemoor. *No Update.*

### **Personnel**

We are holding off on PT Office Clerk (over 200 applied) because the office is closed. *We have re-advertised the position of Operator in Training and are currently interviewing some candidates.*

### **Floodproofing of Control Building and Generator Modifications**

Floodproofing angles and supports have been delivered. Coping and other architectural metals have been received and are currently being installed by District staff. Final as-builts will be completed by TAI. *Door installation has been started.*

### **Headworks / Screening Issues**

Change order approved to convert to MS2 bar screen and waiting final engineering drawings by TAI. *A final change order related to controls on the current board meeting agenda.*





### **Maintenance Garage**

I am working with ADG Design on the architectural drawings and will submit to the board in the future. Permits from McHenry County Stormwater have been received for the paving work related to the maintenance garage and plant. *Revisions to the architectural drawings were sent back to ADG Design and we are waiting for the next iteration of drawings. This project has been slowed down to make time for current workload.*

### **Ordinance Review**

Currently the District has Sewer rates, usage, construction details and specifications in seven (7) different documents. There is some duplication (and related confusion) as a result. I am currently working with our attorney Vic Filippini to streamline this into 2-3 ordinances, which is the standard for agencies such as ours. This will make things easier for staff and for the public. *No update.*

### **Circle K**

Waiting on retained personnel fee. No contact has been made with the District for several months. We have reached out to inspector at Island Lake. *No update.*

### **Skipper Bud's**

Skipper Bud's request to connect to NMWRD did not garner the full support of all five parties. LRSD has requested that the matter be delayed until their dissolution/transfer to Lake County. *No update.*

### **Lift Station Controls**

The Hale control panel has been delivered and because of the 50<sup>th</sup> Anniversary, we have decided to use it at the Treatment Plant Lift Station. A new one will be ordered for Hale, as well as panels at additional locations in the next few months utilizing contributions from state legislature capital bill funding. *Plans are nearly complete and ready to bid once the funding source is confirmed.*

### **520 Wegner Road**

We are working with Lakemoor and the new owner of this property for a new auto-mechanic shop at this location. *Additional coordination is currently underway.*

### **Woodman's Car Wash - Expansion**

An inquiry has been made for an expansion of the Woodman's Car Wash. *We have indicated the very large fees (over \$300,000) that are due b/c the car wash has much greater water usage than originally expected plus the additional of a new stall. In the event Woodman's does not move forward with an additional stall, there is still a discrepancy in the sewer connection permit fee that will need to get resolved. There is a discrepancy in the meter size that we were told for permitting and what was ultimately installed.*



**Northern Moraine WRD - Septage Receiving Tracking**  
**FY 2020-21**



Month	Loads	Gallons	Revenue FY20-21	Revenue FY19-20	YTD FY20-21
May-20	19	53200	\$3,396.60	\$1,260.00	\$3,396.60
Jun-20	20	63400	\$3,763.80	\$1,320.00	\$7,160.40
Jul-20	25	80700	\$4,528.80	\$711.00	\$11,689.20
Aug-20	16	58900	\$2,927.40	\$1,335.00	\$14,616.60
Sep-20	22	78400	\$3,937.20	\$777.00	\$18,553.80
Oct-20				\$2,304.00	
Nov-20				\$2,550.00	
Dec-20				\$1,968.60	
Jan-21				\$1,642.20	
Feb-21				\$1,632.00	
Mar-21				\$2,682.60	
Apr-21				\$2,488.80	

	Date	Company Name	Gallons	Cost/Gal	Revenue	Time	Type
May	5/1/2020	Comm. Sewer & Septic	2750	Flat Rate	\$173.40	10:35AM	Septic
	5/4/2020	Weidners	3100	Flat Rate	\$183.60	10:30AM	Septic
	5/5/2020	Comm. Sewer & Septic	2750	Flat Rate	\$173.40	1:45PM	Septic
	5/6/2020	Comm. Sewer & Septic	1500	Flat Rate	\$173.40	10:05AM	Septic
	5/6/2020	Weidners	3000	Flat Rate	\$183.60	2:45PM	Septic
	5/7/2020	Weidners	3100	Flat Rate	\$183.60	11:45AM	Septic
	5/7/2020	Weidners	3500	Flat Rate	\$183.60	2:50PM	Septic
	5/12/2020	Comm. Sewer & Septic	2500	Flat Rate	\$173.40	10:10AM	Septic
	5/12/2020	Weidners	3400	Flat Rate	\$183.60	3:25PM	Septic
	5/14/2020	Comm. Sewer & Septic	3200	Flat Rate	\$173.40	10:30AM	Septic
	5/14/2020	Weidners	3200	Flat Rate	\$183.60	3:00PM	Septic
	5/15/2020	Weidners	3000	Flat Rate	\$183.60	10:00AM	Septic
	5/19/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	3:40PM	Septic
	5/20/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	10:30AM	Septic
	5/20/2020	Weidners	3500	Flat Rate	\$183.60	11:45AM	Septic
	5/20/2020	Weidners	3600	Flat Rate	\$183.60	3:00PM	Septic
	5/21/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	11:10AM	Septic
	5/21/2020	Weidners	3100	Flat Rate	\$183.60	2:55PM	Septic
	5/28/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	11:30AM	Septic
June	6/1/2020	Weidners	3250	Flat Rate	\$183.60	8:30AM	Septic
	6/2/2020	Comm. Sewer & Septic	2500	Flat Rate	\$173.40	3:20PM	Septic
	6/3/2020	Comm. Sewer & Septic	2250	Flat Rate	\$173.40	12:30PM	Septic
	6/5/2020	Weidners	3500	Flat Rate	\$183.60	9:00AM	Septic
	6/5/2020	Comm. Sewer & Septic	2500	Flat Rate	\$173.40	10:00AM	Septic
	6/9/2020	Comm. Sewer & Septic	2500	Flat Rate	\$173.40	11:22AM	Septic
	6/10/2020	Weidners	3750	Flat Rate	\$183.60	9:05AM	Septic
	6/10/2020	Weidners	3800	Flat Rate	\$183.60	12:00PM	Septic
	6/10/2020	Comm. Sewer & Septic	1000	Flat Rate	\$173.40	12:50PM	Septic
	6/10/2020	Weidners	3800	Flat Rate	\$183.60	-	Septic
	6/11/2020	Weidners	3800	Flat Rate	\$183.60	9:55AM	Septic
	6/11/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	2:50PM	Septic
	6/12/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	12:00PM	Septic
	6/17/2020	Weidners	3800	Flat Rate	\$183.60	2:55PM	Septic
	6/19/2020	Weidners	3800	Flat Rate	\$183.60	8:45AM	Septic
	6/19/2020	Weidners	3750	Flat Rate	\$183.60	3:10PM	Septic
	6/24/2020	Comm. Sewer & Septic	3000	Flat Rate	\$173.40	10:45AM	Septic
	6/24/2020	Weidners	3800	Flat Rate	\$183.60	12:15PM	Septic
	6/25/2020	Comm. Sewer & Septic	1000	Flat Rate	\$173.40	10:30AM	Septic
	6/25/2020	Weidners	3600	Flat Rate	\$183.60	3:30PM	Septic
	6/26/2020	Weidners	4000	Flat Rate	\$183.60	9:00AM	Septic
	6/29/2020	Weidners	3900	Flat Rate	\$183.60	12:15PM	Septic

July	7/1/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	12:00PM	Septic
	7/1/2020	Weidners	3850	Flat Rate	\$183.60	1:30PM	Septic
	7/7/2020	Weidners	3950	Flat Rate	\$183.60	12:00PM	Septic
	7/8/2020	Weidners	3600	Flat Rate	\$183.60	9:00AM	Septic
	7/9/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	1:15PM	Septic
	7/10/2020	Weidners	3800	Flat Rate	\$183.60	9:35AM	Septic
	7/10/2020	Weidners	2800	Flat Rate	\$183.60	12:55PM	Septic
	7/13/2020	Weidners	3800	Flat Rate	\$183.60	12:15PM	Septic
	7/14/2020	Comm. Sewer & Septic	1750	Flat Rate	\$173.40	11:30AM	Septic
	7/15/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	11:30AM	Septic
	7/15/2020	Weidners	3750	Flat Rate	\$183.60	12:45PM	Septic
	7/15/2020	Weidners	2550	Flat Rate	\$183.60	3:20PM	Septic
	7/16/2020	Comm. Sewer & Septic	3000	Flat Rate	\$173.40	9:30AM	Septic
	7/17/2020	Weidners	3400	Flat Rate	\$183.60	9:05AM	Septic
	7/17/2020	Weidners	3400	Flat Rate	\$183.60	9:20AM	Septic
	7/17/2020	Weidners	3500	Flat Rate	\$183.60	10:55AM	Septic
	7/20/2020	Weidners	3500	Flat Rate	\$183.60	3:10PM	Septic
	7/21/2020	Weidners	3800	Flat Rate	\$183.60	8:30AM	Septic
	7/24/2020	Weidners	3700	Flat Rate	\$183.60	8:15AM	Septic
	7/28/2020	Weidners	3800	Flat Rate	\$183.60	8:45AM	Septic
	7/29/2020	Weidners	3800	Flat Rate	\$183.60	9:30AM	Septic
	7/29/2020	Comm. Sewer & Septic	2000	Flat Rate	\$173.40	3:40PM	Septic
	7/31/2020	Weidners	3700	Flat Rate	\$183.60	9:00AM	Septic
	7/31/2020	Weidners	3500	Flat Rate	\$183.60	1:15PM	Septic
	7/31/2020	Weidners	3750	Flat Rate	\$183.60	2:00PM	Septic
August	8/5/2020	Comm. Sewer & Septic	3000	Flat Rate	\$173.40	11:55am	Septic
	8/6/2020	Weidners	3800	Flat Rate	\$183.60	11:45am	Septic
	8/7/2020	Weidners	3500	Flat Rate	\$183.60	3:15pm	Septic
	8/11/2020	Weidners	3700	Flat Rate	\$183.60	2:30pm	Septic
	8/12/2020	Weidners	3800	Flat Rate	\$183.60	12:35pm	Septic
	8/13/2020	Weidners	3850	Flat Rate	\$183.60	3:10m	Septic
	8/14/2020	Weidners	3100	Flat Rate	\$183.60	9:15am	Septic
	8/14/2020	Weidners	4000	Flat Rate	\$183.60	12:00pm	Septic
	8/19/2020	Weidners	4000	Flat Rate	\$183.60	11:45am	Septic
	8/19/2020	Weidners	3700	Flat Rate	\$183.60	3:00pm	Septic
	8/21/2020	Weidners	3750	Flat Rate	\$183.60	9:30am	Septic
	8/21/2020	Weidners	3800	Flat Rate	\$183.60	12:30pm	Septic
	8/26/2020	Weidners	3800	Flat Rate	\$183.60	9:30am	Septic
	8/27/2020	Weidners	3800	Flat Rate	\$183.60	1:30pm	Septic
	8/28/2020	Weidners	3700	Flat Rate	\$183.60	8:45am	Septic
	8/28/2020	Weidners	3600	Flat Rate	\$183.60	1:35pm	Septic
September	9/3/2020	Weidners	3500	Flat Rate	\$183.60	6:30am	Septic
	9/3/2020	Weidners	3200	Flat Rate	\$183.60	12:40pm	Septic
	9/9/2020	Weidners	3700	Flat Rate	\$183.60	9:30am	Septic
	9/9/2020	Weidners	3900	Flat Rate	\$183.60	12:30pm	Septic
	9/10/2020	Weidners	3800	Flat Rate	\$183.60	12:30pm	Septic
	9/11/2020	Rechel	3300	Flat Rate	\$173.40	12:15pm	Septic
	9/11/2020	Rechel	3300	Flat Rate	\$173.40	12:15pm	Septic
	9/11/2020	Weidners	3800	Flat Rate	\$183.60	1:00pm	Septic
	9/11/2020	Rechel	3300	Flat Rate	\$173.40	2:30pm	Septic
	9/11/2020	Rechel	3400	Flat Rate	\$173.40	2:30pm	Septic
	9/15/2020	Weidners	3700	Flat Rate	\$183.60	-	Septic
	9/15/2020	Weidners	3800	Flat Rate	\$183.60	12:00pm	Septic
	9/18/2020	Rechel	3000	Flat Rate	\$153.00	9:45am	Septic
	9/18/2020	Rechel	3000	Flat Rate	\$153.00	10:20am	Septic
	9/18/2020	Weidners	3700	Flat Rate	\$183.60	1:30pm	Septic
	9/22/2020	Weidners	3750	Flat Rate	\$183.60	9:00am	Septic
	9/23/2020	Weidners	3600	Flat Rate	\$183.60	3:05pm	Septic
	9/25/2020	Weidners	3750	Flat Rate	\$183.60	-	Septic
	9/25/2020	Weidners	3750	Flat Rate	\$183.60	1:30pm	Septic
	9/29/2020	Weidners	3750	Flat Rate	\$183.60	2:15pm	Septic
	9/30/2020	Weidners	3750	Flat Rate	\$183.60	9:15am	Septic
	9/30/2020	Weidners	3500	Flat Rate	\$183.60	3:25pm	Septic

**NMWRD Sewer Connection Permit Tracking**  
FY 2020-21



Permit Date	Address	City	Subdivision/ Business	Re-Connect, Repair, Demo or New Connection	Permit Owner	Permit No.	Connection/ Inspection Fee	Darrell Road Special Connection Fee
6/19/2020	204 Eastwood Avenue	PB	Eastwoods	Repair	Wielogorski	5299-B	\$ 100.00	\$ -
6/29/2020	32044 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5647	\$ 7,674.00	\$ 3,248.00
6/29/2020	32054 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5648	\$ 7,674.00	\$ 3,248.00
8/11/2020	733 Dartmouth Drive	IL	Dartmouths	Repair	Carver/Mr. Rooter	1627-A	\$ 100.00	\$ -
8/19/2020	215 Eastwood Court	PB	Eastwoods	Demo	VOPB/Modern Concrete Inc.	5378-A	-	\$ -
8/27/2020	32052 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5649	\$ 7,674.00	\$ 3,248.00
9/10/2020	32064 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5650	\$ 7,674.00	\$ 3,248.00
9/15/2020	32051 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5651	\$ 7,674.00	\$ 3,248.00
9/18/2020	334 Rosedale Drive	LM	Rosedales	New Connection	Buckhalter	5652	\$ 7,674.00	\$ 3,248.00
9/18/2020	336 Rosedale Drive	LM	Rosedales	Re-Connect	Buckhalter	4450-A	-	\$ 3,248.00
9/21/2020	32038 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5653	\$ 7,674.00	\$ 3,248.00

	Standard Connections	Darrell Road Connections
<b>FY 2020 - 2021 Total:</b>	\$ 53,918.00	\$ 25,984.00
<b>Approved Budget FY 2020 - 2021</b>	\$ 108,536.00	\$ 25,984.00
<b>Approved +/- vs. Current YTD</b>	\$ (54,618.00)	\$ -



## NMWRD September 2020 Operations Report

As of October 8th, 2020

Prepared by: Luke Markko, Superintendent

**COVID-19 Response** – On the evening of Tuesday, 9/21 an operations staff member notified me that they had been near a family member over the preceding weekend who later tested positive for COVID-19. This prompted me to arrange for all operations staff to be tested the following day. On Wednesday morning a rapid result testing facility in Crystal Lake was able to accommodate our staff and provide results within 4-6 hours. Fortunately all staff including the exposed employee tested negative for COVID-19.

**Lily Lake Rd. Improvements** – Curran has resumed some work on Lily Lake Rd. Operations staff are observing and documenting the work daily to ensure they are staying away from the areas of conflict with the force main.

**Wegner Rd. Stormwater Improvements** – Background information in Engineering Report. Operations staff potholed and confirmed the location of the force main in most of the project area. However, we have struggled to locate it on the eastern extent. There are a number of overhead power lines in this area that are interfering with the radio signal used by our locating equipment. Staff have even gone so far as to reach out to retired Lakemoor Public Works staff who witnessed the installation of the force main for information that can help in locating it. Trotter and Associates is helping the District find a contractor that can send specialized equipment inside the FM to help locate it.

**Drying Bed Cover** – Operations staff have completed the construction of the block foundation for the new drying bed cover. The foundation consists of precast concrete blocks interlinked by steel strapping that are anchored to the concrete floor of the bed. The construction recently passed inspection by McHenry County Planning and Development. The cover materials have been delivered, and construction is anticipated to start any day now.



Fully constructed block foundation.



Cover materials ready for assembly and installation.



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**North Secondary Clarifier** – Significant progress has been made in the repairs to the North Clarifier. The new mechanism was installed. This consists of a vertical center column, a stilling well, rotating collection arms, drive mechanism, and access bridge. All components that will be submerged are stainless steel to protect against corrosion. Additionally, the grout layer was poured over the concrete slab floor. This provides a pitch from the outer walls to the center of the tank creating a coned floor for solids collection ease in emptying of the tank. District staff have installed new weather seals on the dome sections as well as the top of the tank walls. The dome sections are scheduled for reinstallation on 10/8 & 10/9. Several items remain before the project is complete. New electrical conduits are scheduled for installation the week of 10/19. We have decided to include new conduits for the South Clarifier and the RAS/WAS Pump Station. The proximity of these to the work site and with the plans to replace the RAS/WAS Control Panel made this a logical decision. The existing conduits are beginning to corrode and are undersized for the number of wires they have pulled through them. A spray bar will be installed along with new piping for the scum collection box. The spray bar will direct any floating debris toward the scum box so that it will be collected as the collection arm passes it.



North Clarifier mechanism being delivered.



Mechanism installation underway.



Floor grout being poured.



Dome section installation.



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**Chlorine Contact Basin Walkway** – We will be utilizing the old access bridge from the North Clarifier to provide a walkway on top of the chlorine contact basin. The North side of the basin is difficult to access due to it butting up against the Chemical Building. The walkway will provide access and make cleaning of the North side faster, easier, and safer. The bridge frame was cleaned and re-coated.



Freshly painted bridge

**New Walk & Pads** – A new sidewalk was installed leading to the discharge structure of the South Clarifier. This is an area accessed by staff daily and will allow greater ease of snow removal in the winter and for bringing pumps and other equipment to this location. Concrete pads were added in areas around the digesters where access hatches are visited frequently.



Sidewalk providing access to South clarifier effluent.



New pads at access hatches on digesters.





## NORTHERN MORAINÉ W R D

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**Sludge Conveyor** – Staff are on the hunt for a new auger-style conveyor. Having renting and testing an auger style conveyor from a local farm supply yard, we have proven the concept works. We are currently trying to find a conveyor with the dimensions that will allow it to fit between the dewatering building and the drying beds while maximizing the reach into the beds to achieve the best distribution of dried sludge in the bed.



Sludge conveyor testing grounds.

**Control Building Doors** - Work has begun to replace five steel exterior doors on the Control Building. These doors were beginning to rust and deteriorate. Operations staff are removing the old doors, frames, and thresholds, and installing new aluminium components.



Out with the old and in with the new.



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**Northern Moraine Hosts Virtual CSWEA Operations Challenge Event-** WEFTEC, an annual event held each year is the worlds largest water and wastewater convention were professionals meet and learn about the newest technology and trends in the water industry. Like many such events, WEFTEC has had to go virtual. One component that has been a part of WEFTEC is Operations Challenge where operators can showcase their skills in areas of knowledge, safety, maintenance, laboratory, and equipment repair. Teams are formed from various facilities and local member associations. A four-person team was formed with members of the Central States Water Environment (CSWEA). They consisted of two staff members from the Glenbard Wastewater Authority, a staff member from the Kishwaukee Water Reclamation District, I was fortunate enough to be one of them. We put together a practice arena and event stations in the old horse barn next to the District Office. This year the competition was reduced to three abridged versions of the competition events. These consisted of a process control simulator/knowledge test, laboratory testing, and collections system pipe repair. The competition was held on the week of 10/5 over the course of three days. There was a total of 27 teams competing from all across the United States including international teams from Canada and Denmark. Teams competed via proctors streaming live video to judges as the events were conducted. At this time, the results of the competition have not yet been released. I am excited to see how we measure up. A recorded video of our competition can be found at the following link.

<https://www.gotostage.com/channel/7ac982496ac64b16ac696ef8af14a28d/recording/da533ac8df2144b88310bbdf4c671a51/watch?source=CHANNEL>



A virtual simulator and exam make up the Process Event.



Laboratory event.



Collections event hole drilling with a hand saw.



Installation of an "Insert -A -T" fitting.



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## **NMWRD Engineering Report**

**Date:** October 9<sup>th</sup>, 2020

**Prepared by:** Joe Lapastora, E.I.T. – Staff Engineer

### **Lily Lake Road Safety Improvements:**

*[Project Update]* – See Managers report for recent developments relating to the Lily Lake Road Safety Improvements project. Note that in August, District employees were instructed to perform daily observation checks for any work that is being performed along Lily Lake Road. The District will continue to monitor the project daily.

### **Wegner Road Storm Improvements:**

*[Project Update]* – The District received preliminary plans for a project titled “Wegner Road Storm Sewer Improvements” in late June. Upon reviewing the plans, we noticed that District infrastructure was not accurately displayed. While attempting to correct the plan set, District staff were unable to locate a reliable as-built plan set of the forcemain along Wegner Road so potholing occurred during early August. The District has identified a majority of the forcemain that runs along Wegner Road and an accurate map is being developed. Moving forward, Trotter and Associates will aide in our efforts to determine elevations and overall layout of the foremain and ultimately respond to the design engineer (J Condon and Associates) with a comprehensive plan review. Note that construction has not been scheduled yet, as Nunda is still in the early phases of the project.

### **Sludge Drying Bed Cover:**

*[Project Update]* – The District received sealed Engineering plans on June 26<sup>th</sup> and sealed foundation plans on July 6<sup>th</sup>. First quality concrete foundation blocks were delivered on July 31<sup>st</sup> from Fischer Bros, with freight services provided by Dahm Enterprises. Strapping metals were ordered through Breuer Metals and were delivered to the plant on August 18<sup>th</sup>. The construction permit was finalized and received from McHenry County during August and the signage is now posted at the treatment plant gate. Poured sections of the lower base of the foundation were poured on September 1<sup>st</sup>. Strapping metals were installed on the block foundation in early September and the foundations passed its inspection with McHenry County on September 21<sup>st</sup>. Finally, all materials for the sludge drying bed cover were delivered to the plant on September 25<sup>th</sup>. Currently, the District is awaiting Greenfield to start construction which is set to begin in October.



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## NORTHERN MORaine W R D



Picture of strapping installed on block foundation.



Picture of the North wall of the block foundation.



Picture of completed block foundation.



All Greenfield materials delivered to plant.

### **Asset Management Software:**

*[Project Update]* – The District has continued to meet with the Cartegraph project implementation team throughout the month of September. Significant developments relating to the new asset management software include; RedZone successfully exported the old televising database and mailed the hard drive to the District in early October and Cartegraph overview videos have been reviewed by District staff. At this point, the District is set to begin the requirements gathering phase of the implementation process and we are right on schedule. A full “build-out” schedule was provided on August 4<sup>th</sup> and it appears that the full timeline is built through March 2021, at which point, we can expect Cartegraph to go fully live.



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**North Clarifier Rehab:**

See the Operations Report for a detailed update regarding the progress on the North Clarifier rehab project.

**Sewer Televising & Cleaning Plan:**

NMWRD unveiled its newly developed CMOM plan in March that included a sanitary sewer cleaning and televising schedule, which repeats every five (5) years. A detailed Sewer Televising & Cleaning Plan has been finalized which dictates the specifics of which gravity mains are to be televised and cleaned in any given year. The District intends to perform cleaning and televising for the majority of the collection system but may need to contract out the work for larger diameter mains. The District also took major steps forward by getting both the televising van and the new Vactor truck registered. Moving forward, the televising van will be outfitted, and District operators will begin NASSCO training for standardization of manhole and pipe ratings.

**Phosphorous Discharge Optimization Plan:**

The District entered into an agreement with Fehr-Graham in early April to produce a quality Phosphorous Discharge Optimization Plan (PDOP) which is required per NMWRD's NPDES permit, Special Condition 20. Note that the District requested a one (1) year extension on the PDOP report on March 26<sup>th</sup>. A draft Permit with proposed changes was received by the District in late June stating that the IEPA has initiated the 'Public Notice' phase to amend the District's existing NPDES Permit after an extension was requested. The District received the final version of the PDOP from Fehr-Graham on August 27<sup>th</sup>. District staff members reviewed the final version in September and additional documents have been requested with a revised final report expected to be delivered next month.

**Woodman's Lift Station and Sanitary Sewer Additions:**

*[Project Update]* – The District issued a 'Sanitary Sewer Improvement Requirements' letter to the Village of Lakemoor on June 16<sup>th</sup>. Note that the project entered the maintenance period on February 11<sup>th</sup>, 2020, which shall last for three (3) years or until February 11, 2023. The letter references additional requirements outlined in the IGA between the Village of Lakemoor and NMWRD that must be addressed. The District received notification of two (2) developments relating to the Woodman's during the month of August. The first project includes the expansion of the existing Woodman's car wash from two (2) bays to three (3). A submittal review document was issued to Woodman's by the District on September 14<sup>th</sup> detailing the additional connection fees and correcting underpayment discrepancies based on water use history. The second project includes the addition of an unattended gas station. It was determined that since there was no connection to NMWRD sewer, a sewer connection permit was not required. Note that a permit will be required if a water service is ever added.





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**In addition to the work relating to the above projects, the following engineering related work is also being performed;**

- The District purchased a pre-cast concrete metering vault from Norwalk Tank on August 19<sup>th</sup>. We received word on October 7<sup>th</sup> that the structure was complete, and it is set to be delivered to the plant on October 13<sup>th</sup>.
- Coinciding with the with televising and cleaning plan, the District recently renewed its televising software to be used for in-house televising. It was recently discovered that the District already possessed a lifetime license for the televising software named PipeTech SCAN, however, in order to get the program current on a new computer, the District entered into a 1 -year support contract.
- The District will continue digitizing physical prints through Hainesville Print and Copy. Through September, we have digitized roughly 70 plan sets the District will continue to send batches to Hainesville P&C to keep adding to our digital repository.
- A final component to the 2019 Disinfection Improvement project, was to install new pump skids for both the Sodium Hypochlorite and Sodium Bisulfite chemicals. After a thorough review, the district decided to construct our own pump skids, utilizing FRP grating for the backing and floor. All parts have been ordered and delivered and the skids should be fully constructed this month.
- CA-6 Stone has been delivered to the plant which will be used for the WWTP paving project. Paving is on hold until all major construction projects are wrapped up, as to not disturb the new pavement.
- Efforts for energy efficient lighting were renewed during September as the District ordered a small sample of LED lights for both the Control Building & North Clarifier. Once lighting is approved, the district will push a full order through for cove lighting, emergency lighting and exterior sconces for the control building as well as jar lights and flood lights for the North clarifier.
- The District hosted another successful auction via Obenauf Auctions during September. As of today, all items have been picked up and the total amount that we pulled in from the auction is around \$13,500. An itemized breakdown is included below. Moving forward, we will continue to post unused or outdated items to auction, pending the Boards approval.





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Item	Sale Price
Scaleton	\$9.00
ISCO Sampler	\$23.21
Altec Lansing DP/N	\$2.00
Portable Ingersoll-Rand Compressor	\$2,750.00
Ingersoll-Rand Air Compressor Tank	\$100.00
Welder Bench	\$500.00
Toro Snow Blower	\$85.00
MTD Lawn Mower	\$24.02
Honda Pressure Washer	\$95.00
North Star Pressure Washer	\$390.00
2008 John Deere	\$5,800.00
Portable Ingersoll-Rand Generator	\$2,900.00
Natural Gas Kohler Generator	\$925.00
300 Gallon Tank	\$19.00
300 Gallon Tank	\$17.00
300 Gallon Tank	\$17.00
300 Gallon Tank	\$15.00
300 Gallon Tank	\$15.00
300 Gallon Tank	\$15.00
SO2 Emergency Repair Kit	\$6.01
Chlorine Emergency Repair Kit	\$5.00
MSA Tank	\$13.11
MSA Tank	\$12.50
Power Strip	\$4.00
Mandrel Bundel	\$2.00
Desk	\$10.00
Desk	\$10.00
Desk	\$2.00
Desk	\$2.00
Table	\$6.00
Table	\$6.00
Party Supplies	\$2.00
<b>TOTAL</b>	<b>\$13,781.85</b>



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## NORTHERN MORaine W R D



### Drone Photos of North Clarifier Progress for September



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## NORTHERN MORaine W R D



**Drone Photos of North Clarifier Progress for September**



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## DELINQUENT ACCOUNTS RECAP FOR September 2020

Revised: 10/06/20 by Debi Martin, District Clerk

### \$200-\$300

#### 140 Active Accounts

Island Lake – 79 customers  
79 Notices of Delinquency  
Lakemoor – 48 customers  
3 Liens – 45 Notices of Delinquency, 2 Sewer Disconnection Notices, 1 making payments  
Port Barrington – 13 customers  
1 Lien – 12 Notices of Delinquency, 1 Sewer Disconnection Notice

### \$301-500

#### 43 Active Accounts

Island Lake – 27 customers  
27 Liens - 26 Water Shut Off Notices, 1 Final Notice of Delinquency  
Lakemoor – 12 customers  
12 Liens - 3 Final Notices of Delinquency, 5 Sewer Disconnection Notices, 3 Water Shut Off Notices, 1 making payments  
Port Barrington – 4 customers  
4 Liens - 3 Final Notices of Delinquency, 2 Sewer Disconnection Notices

### \$501-\$1000

#### 9 Active Accounts

Island Lake – 1 customer  
1 lien – 1 making payments  
Lakemoor – 5 customers  
5 liens – 4 Sewer Disconnection Notices, 1 making payments  
Port Barrington – 3 customers  
3 liens – 2 to be disconnected, 1 Sewer Disconnection Notice

### \$1001 and up

#### 9 Active Accounts

Island Lake – 3 customers  
3 liens – 3 with water off  
Lakemoor – 4 customers  
4 liens – 4 to be disconnected  
Port Barrington – 2 customers  
2 liens – 2 to be disconnected

**Delinquent Accounts total (active and inactive customers): \$47,568.15** (\$9,701.89 inactive accts)

**Sept 2019's report: \$46,383.72**

**Sept 2018's report: \$47,319.238**

#### MONTHLY ACTIVITY:

**4800** Monthly Bills mailed 10/01/20 (for Sept. service)  
**397** Bills not mailed – customers prepaid on their accounts  
**29** Water Shut Off Notices mailed on 10/05/20  
**11** Sewer Disconnection Notices mailed on 10/05/20  
**26** Liens released in September

**136** Notices of Delinquency mailed 10/05/20  
**7** Final Notices of Delinquency mailed 10/05/20  
**28** Real Estate closings for September 2020  
**38** Liens filed in September



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## **NORTHERN MORaine** **W R D**

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### **AGENDA** **REGULAR MEETING** **7:30 P.M. – October 13, 2020** **113 Timber Trail, Island Lake, IL**

*Due to the Governor's statewide disaster declaration relating to the COVID-19 pandemic and current public health guidelines for social distancing, the President of the Northern Moraine Wastewater Reclamation District has determined that it is not prudent for the members of the District Board or staff to convene in-person for this meeting. Therefore, the District Board is meeting by video conference. Those same conditions require barring access to the public for in-person attendance. In light of those limitations, the public is invited to attend and listen to the meeting through Zoom platform or by phone as indicated on this meeting agenda. To comply with the Open Meetings Act requirements for virtual meetings, the meeting will be recorded.*

**Zoom Meeting w/ Video: <https://us02web.zoom.us/j/83900897745>**  
**Meeting ID: 839 0089 7745**  
**Passcode: 854676**

**Zoom Meeting w/ Audio Only: +13126266799,, 83900897745#,,,,,0#,,854676**

- 1. CALL TO ORDER & ROLL CALL**
- 2. PLEDGE OF ALLEGIANCE**
- 3. PRESENTATION & APPROVAL OF MINUTES**
  - a. Regular Meeting Minutes – September 8, 2020
  - b. Executive Session Meeting Minutes – September 8, 2020
- 4. TREASURER'S REPORT**
  - a. Quarterly Investment Report
- 5. PUBLIC COMMENTS**
- 6. MANAGER'S REPORT**
  - a. Operations Report
  - b. Engineering Report
  - c. Delinquent Accounts Report
- 7. TRUSTEE REPORTS**
- 8. LEGAL BUSINESS**
- 9. OLD BUSINESS**
  - a. Board of Trustees Appointment for Term Ending April 30, 2021
- 10. NEW BUSINESS**
  - a. Approve Second Addendum to the Intergovernmental Agreement with the Village of Lakemoor for the Expansion of Sanitary Sewer Infrastructure
  - b. Approve Change Order for Influent Bar Screen with Headworks
  - c. District Holidays
  - d. Approve Engineering Contract Amendment for Funding Assistance with Trotter & Associates



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- e. Approve Design Services for Lift Stations 1-5 Control Panels with Automation Service & Design, Inc.
- f. Adoption of a Resolution Designating Surplus Equipment and Authorizing Disposal through Auction
- g. Approve Employee Health Insurance Coverage Renewal

### **11. MISCELLANEOUS CORRESPONDENCE**

- a. MCCG Membership Meeting – October 19, 2020 @ 10:00 a.m. via Zoom

### **12. APPROVAL OF BILLS**

### **13. OTHER BUSINESS**

- a. Executive Session – Litigation

Posted to [www.nmwrld.org](http://www.nmwrld.org) - October 9, 2020



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