



NORTHERN MORAIN WASTEWATER RECLAMATION DISTRICT

113 Timber Trail, Island Lake, Illinois 60042

REGULAR MEETING MINUTES

August 11, 2020

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

Zoom Meeting w/ Audio Only: +13126266799,, 7578151340#

Present: Trustees: Ken Michaels, John Ragland (by phone), Timothy Brunn, Lydia Ryberg
District Manager: Mohammed Haque; District Clerk: Deborah Martin
Others: Superintendent: Luke Markko; Michael Del Valle, Lauterbach & Amen

President Michaels called the meeting to order at 7:33 p.m.

1. CALL TO ORDER:

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

2. PLEDGE OF ALLEGIANCE:

Those present pledged allegiance to the flag.

3. PRESENTATION & APPROVAL OF MINUTES:

a. Regular Meeting, July 11, 2020

Motion by Trustee Brunn to approve the Regular Meeting minutes of July 11, 2020 as presented.

2nd by Trustee Ragland

4 ayes 0 nays 0 abstain **MOTION CARRIED**

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

4 ayes 0 nays 0 abstain **MOTION CARRIED**

b. Executive Session Minutes Review

After discussion of the sets of Executive Session minutes, the Board felt the need to review some of the Executive Minutes when all Trustees are available to meet in person again. The Board felt that at this time only one set of Executive Minutes should be released.

Motion by Trustee Ryberg to release the December 10, 2019 Executive Session minutes and to hold other Executive Session minutes until the next Board regular meeting when all are available to meet in person.

2nd by 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**



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
August 11, 2020

At this time, President Michaels asked the Board to allow Michael Del Valle, from Lauterbach and Amen, to present the final Audit report. This is Agenda Item 10B.

After Mr. Del Valle's presentation, President Michaels asked if the Board would consider continuing with Agenda Item 10b – Adoption of the Audit.

10. NEW BUSINESS

b. Acceptance of the Annual Audit for Fiscal Year ending April 30, 2020

Motion by Mrs. Ryberg to accept the Annual Audit from Lauterbach & Amen for the Fiscal Year ending April 30, 2020.

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

4. TREASURER'S REPORT:

a. Approval of the Monthly Treasurer's Report for month ending June 30, 2020

Mrs. Ryberg presented the Monthly Treasurer's Report for month ending June 30, 2020 for Board approval.

Motion by Mr. Brunn to approve the Treasurer's Report for month ending June 30, 2020 as presented.

2nd by 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

5. PUBLIC COMMENTS: none

6. MANAGER'S REPORT:

Manager Haque reported to the Board that he is still waiting to hear back about the funding and grant applications that had been submitted. Mr. Haque stated that the District has also applied for reimbursement on COVID-19 related expenses and is also waiting for response. Manager Haque informed the Board that a contractor had tested positive for COVID-19 and was quarantined at home; he felt none of District Staff had been in contact with this contractor. Manager Haque also reported that one District staff member had tested negative for COVID-19 after becoming concerned over some symptoms and had self-isolated. He reminded the Board that the lobby is still closed to the public, but the drive-up window is open. Mr. Haque informed the Board that Woodman's in Lakemoor is expecting to have an unmanned gas station constructed soon and there is concern about the Woodman's car wash wanting to expand. He also told the Board that he learned that the Village of Lakemoor is charging a lateral connection fee as part of their permit fee to developers along with our connection fee and he is concerned over future confusion over this. Manager Haque told the Board that the sludge bed covers project is moving along. He also told the Board that the operator in training left after one day; he had a job offer out of state. Manager Haque advised the Board that although the engineering fees are high this month, Trotter and Associates has been involved in many of our ongoing projects. Mr. Haque also told the Board that an additional septage hauler is now using the District's septage receiving services. Manager



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
August 11, 2020

Haque is encouraged with this service and stated that this source of alternate revenue could temper future rate increases.

Superintendent Markko reported an update to the non-potable system; some electricians would be installing variable frequency drives and the skid work should also be completed soon; resulting in a newly overhauled non-potable system. Mr. Brunn asked about the repair work for the North Clarifier; Manger Haque reported that there was a delay that was caused by the need to reissue some engineering plans for the rebar, but the work is still progressing nicely.

7. TRUSTEE REPORTS - none

8. LEGAL BUSINESS - none

9. OLD BUSINESS - none

10. NEW BUSINESS

a. Pending Trustee Appointment – Port Barrington

District Manager Haque informed the Board that he and Board President Ken Michaels met with one candidate on August 10, 2020 and that the candidate's resume was included in the Board packets. Because this candidate is employed by another Village, the Board felt that counsel would be needed from Vic Filippini, District Attorney to see if he felt this candidate's appointment might be a conflict of interest.

Motion by Mrs. Ryberg to recommend initiating the process of having Jacob Mann appointed as Trustee to the Board of Northern Moraine Wastewater Reclamation District for the term ending April 30, 2021, subject to agreement of District attorney that Mr. Mann's appointment would not be a conflict of interest.

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

President Michaels suggested that the Board skip over Agenda Item 10C for the moment and consider Agenda Item 10D instead.

d. Adoption of a Resolution Designating Surplus Equipment and Authorizing Disposal by Auction

Motion by Mr. Brunn to adopt a Resolution to designate items listed as surplus and for the items 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

At this time, the Board resumed with Agenda Item 10C

c. Lily Lake Road Project Update

President Michaels recommended that the board go into Executive session to discuss this on-going conflict with Nunda Township Highway Department. He reminded the Board of the events that have taken place so far with this



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
August 11, 2020

project and the District's concern over the needed relocation of sewer lines on Lily Lake Road. Both Pam Althoff and Mike Tryon agreed to mediate at a meeting with Mike Lesperance here at the District along with President Michaels, Manager Haque and two engineers also in attendance, with unfavorable results. Of concern is the lack of due diligence by the Engineers hired by Nunda Township Highway Department in not locating our sewers when initial plans were first drawn. Trustee Ragland and President Michaels felt certain that Nunda Township Highway Commissioner Mike Lesperance knew our sewers were in that area. Mr. Ragland brought up the fact that Mike Lesperance had constructed townhomes on Wegner Road in 2004 that required connecting to our sewer. The Board agreed to take this matter into Executive Session.

13. OTHER BUSINESS – Executive Session

Motion by Mrs. Ryberg to go into Executive Session at 8:31 pm to discuss issues concerning the Lily Lake Improvement Project.

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**

The Regular meeting reconvened at 8:43 pm.

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

Motion by President Michaels to authorize the filing of litigation against Nunda Township for injunctive and other relief in connection with the Lily Lake Road project to proceed at the District Manager's discretion.

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**

The Board resumed with Agenda Item 11

11. MISCELLANEOUS CORRESPONDENCE

- a. MCCG Membership Meeting: cancelled due to the COVID-19 pandemic

12. APPROVAL OF BILLS

Motion by Mr. Brunn to approve payment of bills on the August 11, 2020 bill list as presented, in the amount of \$202,764.82.

2nd by 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**



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
August 11, 2020

ADJOURNMENT

Motion by President Michaels to adjourn at 8:46 p.m.

2nd Mrs. Ryberg

4 ayes 0 nays 0 abstain **MOTION CARRIED**



July 14, 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. The District has been utilizing the new 2005 Vactor and are getting used to it and the enhanced features it has compared to our former 1997 Vactor.

2020 Project Funding / Grants

The District has made application for Darrell Road – Phase 1 for a DCEO Fast Track grant application. 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. It is expected that we will hear about the grants in the next month. We are also expecting to hear about the Unsewered Grant Fund in Illinois that may be applicable for the Holiday Hills Sewer Project. *Recently we made our initial application for COVID related reimbursement funding for local government agencies.*

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. *In the last month, we came to learn that one of our contractors working in the clarifier tested COVID position. We were informed and it appears that no staff was in contact with the person. In addition, we had an employee who went into isolation pending the results of a COVID test. The person tested negative and has since returned to their isolated work area.*



Lily Lake Road Improvements – Nunda Township

An onsite meeting was held on June 15 where Nunda Township once again tried to tell the District that we need to move the sewers. I informed them that we are having our lawyers reviewing the easement and we do not feel that we need to move the sewer and that we feel their design is lacking and fails to maintain proper sewer cover. We also have had to engage TAI to review the sewer relative to the road changes to determine the real extent and estimate of the conflicts. We anticipate spending \$30,000 in engineering to have TAI assist with the engineering review of the force main / road conflicts. Their recommendation, after the meeting on June 15 was that we need to pothole (dig a 8-10" hole down to the forcemain) the force mains in order to get the most accurate locations. The District has sent two operators and our vactor for the last month to get the mains potholed and are waiting for TAI to come up with their recommendations. *A follow-up meeting was held on Wednesday, August 5 between HR Green, Nunda Township and the District (Ken and myself) to try to come up with an alternative. Based on that meeting Nunda is reviewing the recommended additional re-alignment of the road that is needed. We hope to have more to report at the Board meeting.*

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. We are potholing our sewers and using tracer wire to locate our sewers here and provide accurate data to J Condon / Village of Lakemoor / Nunda.*

North Clarifier Repairs

The work is progressing nicely. See Operations report for a thorough update.

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. *The Board discussed Lakemoor's request for additional funding and it is understood that we would remain open to it if we are successful in obtaining the Darrell Road funding on terms which are favorable to our cash flow. I have been recently informed that Lakemoor is charging a sewer lateral connection fee for roughly \$2,000 per lot to recoup the cost to run the sewer lateral from the main line to the property line. We were not aware of this, and I wonder if this will cause confusion for developers since they would pay two entities for sewer connection fees.*



Sludge Bed Cover and Conveyor

Greenfield Contractors was awarded the bid for the Sludge bed covers. We are currently in the process of submittal review and finalization. Once submittal is approved, we expect that it will be installed in 60-90 days. We have moved the sludge conveyor to directly discharge to the sludge bed to the east of the Dewatering building and are currently setting up the conveyor to dump into the bed. Once the system works and the covers are installed, we expect to order a full stainless conveyor with cleated belts that should function well long-term. *Permits are ready at McHenry County and work is planned to be completed.*

Personnel

We are holding off on PT Office Clerk (over 200 applied) because the office is closed. *We have hired an Operator in Training. Calvin Van Ryzin only remained for one day, having gotten a new job offer out west the first night he worked with us. We will re-advertise.*

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. *Door installation is pending. Final as-builts will be completed by TAI.*

Headworks / Screening Issues

Change order approved to convert to MS2 bar screen and waiting final engineering drawings by TAI.

Non-Potable Water Improvements

Self-cleaning filter/strainer has been started up and is working quite well. In the process we have discovered that of the three existing NPW pumps, one does not work properly and another is showing extreme age and corrosion. Due to a failure of a second pump, an emergency repair was completed. *All components have been received and work is pending.*

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. *Since Vic Filippini is not providing the revisions, I will start to do this work.*



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 50th 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.

Woodman's Car Wash - Expansion

An inquiry has been made for an expansion of the Woodman's Car Wash. We are currently reviewing the plans.

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				\$1,335.00	
Sep-20				\$777.00	
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

Darrell Road Special Connection Fee Collections

The logo for Northern Moraine Water Resource District (WRD) is a circular emblem. It features a stylized blue water drop in the center, with a green sprout growing from it. Below the drop are wavy lines representing water. The words "NORTHERN MORAIN" are arched across the top, and "WRD" is at the bottom, all within a green circular border.[illegible]

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
							Standard Connections	Darrell Road Connections
FY 2020 - 2021 Total:							\$ 15,448.00	\$ 6,496.00
Approved Budget FY 2020 - 2021							\$ 108,536.00	\$ 25,984.00
Approved +/- vs. Current YTD							\$ (93,088.00)	\$ (19,488.00)



NMWRD July 2020 Operations Report

As of August 8th, 2020

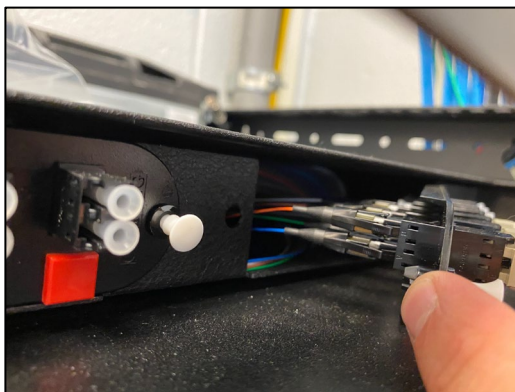
Prepared by: Luke Markko, Superintendent

COVID-19 Response

No new modifications to our current mode of operation since last reported.

- **Work Shifts** – Operations staff work shifts continue with two staff working 6:00am – 2:30pm, and two staff on a shift from 10:30am – 7:00pm.
- **PPE** – We have received additional facemasks through the American Water Works Association who has been working with local Emergency Management Agencies to distribute FEMA supplied PPE.

SCADA – At the wastewater treatment facility, the ends of the fiber optic cable have been terminated. This is a process where a connector is installed on the end of each strand where it is cut and allows it to be plugged into communications networks. The completion of this step allows us to now have internet throughout most of the treatment plant and more importantly allows each of the SCADA panels to communicate with one another. Having the backbone of our network in place is a crucial and exciting step towards automation. The Engineering Report covers the new RAS/WAS SCADA panel that has recently arrived and will be incorporated into the network.



Terminated fiber optic cables.



A test program verifying inter-panel communication.

Entry Gate Operators – New operators have been installed at the treatment plant and the Western entrance at the District office. The operators at the District office have been plagued by malfunctions and poor installation. The new operators offer remote operation via an app. This is helpful in situations when contractors need access and staff are out in the field. It is also a step towards the future automation of septage receiving in that permitted septic haulers can be granted access to offload at any time.

Septage Receiving – A new septic hauler has been permitted with the District to offload septage. There is coordination between the District and the additional hauler to either deny or delay loads pending the completion of the North clarifier repairs. This is to ensure that we do not cause any operational upsets to the treatment process.





NORTHERN MORAINÉ W R D

North Secondary Clarifier – We have reached a turning point in this project. We have completed the demo and removal phase and are moving into the constructive rebuilding of the clarifier floor and mechanism.

- **Concrete Rehab** – Two mats of rebar are being installed to provide structural reinforcement to the floor slab. Additionally, locations for 26 floor-mounted pressure relief valves (PRVs) have been marked. These will offer more avenues for ground water to enter when the clarifier is emptied for service and inspection in the future.



- **Dome Sections** – The dome sections that comprise the cover of the clarifier were have been pressure washed and recoated. An epoxy was applied to the bottom base that sits on top of the concrete walls. This is to prevent cracking and peeling where rainwater, snow, and ice tend to sit.





Skid Steer – The skid steer has now been equipped with a tooth bar on the edge of the bucket. This tooth bar has a low profile and is designed for grading work that requires cuts into the ground and smooth finishing on the surface. This will allow staff to prepare for the paving improvements at the treatment plant.



Lily Lake Rd. Improvements & Wegner Rd. Stormwater Improvements – Both of these items are covered in the Engineers Report, however the recently purchased vac truck has been making District staff efforts to hydro-excavate and document accurate locations for the force mains affected by these projects much easier. This Vector is equipped with a hand operated high-pressure water sprayer that was not available on the previous unit. A recent staff training event, and a specialized nozzle for cutting earth have made what has been an extremely time consuming process more efficient.





NORTHERN MORaine W R D

Televising Van - A 2019 Ford Transit T-250 van was purchased and will be outfitted with the televising equipment the District currently stores in a trailer. This offers advantages in mobility and provides the benefit of climate control for both staff and the equipment.



Drying Bed Cover – District staff used the front-end loader to unload and set 52 concrete blocks to form the foundation of a new cover for the drying beds. Details can be found in the Engineering Report concerning the planned improvements to the drying beds.



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org



NMWRD Engineering Report

Date: August 7th, 2020

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

Lily Lake Road Safety Improvements:

[Project Update] – District operators continued locating the two (2) District owned forcemains that run along Lily Lake Road into the month of July, through means of potholing (excavation for the purpose of obtaining visual confirmation of sanitary sewer mains). Once all locations along the 12" forcemain were hydro excavated via the District VAC, Trotter & Associates sent out a surveying crew to record the elevations the forcemain at the recently excavated locations. Finally, District operators shifted their focus to the 8" forcemain that runs along the East side of Lily Lake Road. Far less potholing locations were specified for the 8" forcemain since the District was in possession of construction record drawings, however, these in-field checks provided assurance on the accuracy of the record drawings. Finally, Trotter and Associates has recently determined three (3) locations where the 12" forcemain will need to be re-located in order to meet code requirements for coverage.

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 some District infrastructure was not accurately displayed. The District was not in receipt of the construction record drawings for a forcemain that runs along Wegner Road, within the project extents, so District operators performed more potholing locates this month. Currently, a majority of the forcemain has been discovered through means of potholing and an accurate map should be complete and provided to Nunda by mid-August. Note that construction has not been scheduled yet, as Nunda is still in the early phases of the project.



Potholing location on South side of Wegner Road.



Backfilling exploratory pit.



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwr.org
Web: www.nmwr.org

Sludge Drying Bed Cover:

The District received sealed Engineering plans on June 26th and sealed foundation plans on July 6th. First quality concrete foundation blocks were delivered on July 31st from Fischer Bros, with freight services provided by Dahm Enterprises. After the foundation is placed with all strapping in place, the District will proceed with scheduling to begin construction.



Freight services provided by Dahm Co.



District employees transferring and placing block foundation.



Block foundation being delivered on-site.



View of backwall after placement.

Asset Management Software Considerations:

The District took part in a small kick-off meeting on July 14th where we met our Project Manager and planned sequencing to ensure we coordinate the new software start-up with both our SCADA upgrades (VT SCADA) at the plant and the implementation and integration in the collection system. A full “build-out” schedule was provided on August 4th and it appears that the full timeline is built through March 2021, at which point, we can expect Cartegraph to go fully live.





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 is still being developed which will dictate 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. Note that the District has recently taken huge steps towards improving the ability to perform in-house cleaning and televising, in an efficient manner, as we recently upgraded our VAC truck and purchased a new televising utility vehicle.



New District VAC truck.



New Televising utility vehicle.

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 26th. 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. Finally, the District continues to aid Fehr-Graham in all their requests to produce a meaningful PDOP with the most recent redlines provided to Fehr-Graham in early July.



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 16th. The letter states that the District approved and accepted the sanitary sewer improvements for the Woodman's project on February 11th, 2020. Note that the project entered the maintenance period on the aforementioned date, which shall last for three (3) years or until February 11, 2023. The letter references additional requirements outlined in the Intergovernmental Agreement between the Village of Lakemoor and the Northern Moraine Wastewater Reclamation District that must be addressed. The District received all construction record drawings from the Village during the month of July.

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

- Craftwood Lumber shipped our door hardware directly to Cross Aluminum in early July so that the doors could be sent to the factory floor for full buildout. The doors and frames arrived at the plant on July 31st and are almost ready for installation with glass panes being the final piece that needs to be ordered/installed. Note that we are currently in the process of acquiring quotes and a P.O. will likely be issued next week.



New Control Building doors.



Door frames and additional hardware.

- The new WAS/RAS control panel was delivered from Allan-ICS in mid-July. The District is currently requesting quotes for panel installation and associated panel cleanup of the two existing panels near the RAS station.





New RAS/WAS control panel.

- Our Engineering Intern, Miranda Durbin, collected all items that had been previously listed on our Obenauf auctions and arranged a drop off at a recycling outfitter. Note that all items on the recycling list have made it through an auction cycle with zero bids and have either been replaced or are no longer in working order.



Pile of old electronics to be recycled.

- A new auction list has been provided this month. The District will continue to post unused and/or non-working items in future auctions.
- New grating was recently installed in the chemical room. The retrofit is nearly complete with the new concrete divider erected, tanks installed, stairs assembled, and all associated piping/fill ports installed. Last portion is chemical room cleanup!





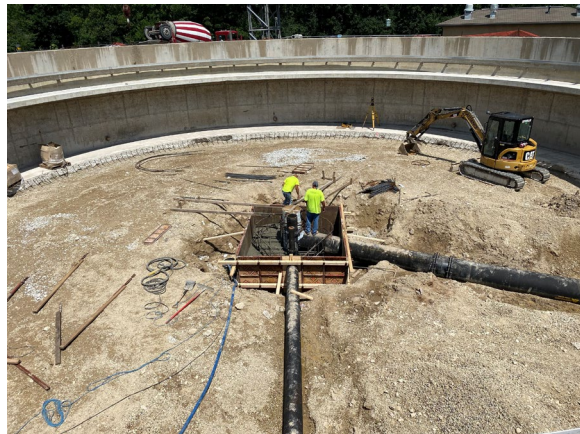
NORTHERN MORaine W R D

- The District received new gate operators for both the administrative building and treatment plant. Metro Door and Lock installed the new slide gate operator in late-July while District operators installed the swing gate operator at the administrative office (West exit gate only) a week prior. The District intends to order the same swing gate operator to install at the East entrance gate. The new setup allows for gate access control via an app which should make deliveries much smoother.
- New vehicle logos were delivered and installed during the last week of July. After observing the new installs and comparing them to the vehicles that had already had the new logo decal installed, we noticed there was a slight color difference in the logo. We reached out to the decal provider and they have agreed to replace all decals with the correct color scheme, free of charge.
- The new administrative F-250 is scheduled to hit the factory floor in late August with the delivery lead time about a month and half out from the truck hitting the production line. Note that all vehicles ordered via Suburban Purchasing Cooperative were delayed due to factory shutdowns from the pandemic.
- The District will continue digitizing physical prints through Hainesville Print and Copy. Through July, we have digitized roughly 35 plan sets and the output is very good. The District will continue to send batches to Hainesville P&C to keep adding to our digital repository.





NORTHERN MORaine
W R D



Drone Photos of North Clarifier Progress for July



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org



DELINQUENT ACCOUNTS RECAP FOR July 2020

Revised: 8/05/20 by Debi Martin, District Clerk

\$200-\$300

71 Active Accounts

Island Lake – 29 customers
29 Notices of Delinquency
Lakemoor – 25 customers
25 Notices of Delinquency,
Port Barrington – 17 customers
1 Lien – 1 making payments, 16 Notices of Delinquency

\$301-500

67 Active Accounts

Island Lake – 22 customers
15 Liens - 8 Final Water Shut off Notices, 14 Water Shut Off Notices
Lakemoor – 14 customers
8 Liens - 6 Final Notices of Delinquency, 6 Sewer Disconnection Notices, 2 Water Shut Off Notices
Port Barrington – 6 customers
3 Liens - 3 Final Notices of Delinquency, 3 Sewer Disconnection Notices

\$501-\$1000

13 Active Accounts

Island Lake – 2 customers
2 liens – 1 water off, 1 to be disconnected from sewer
Lakemoor – 6 customers
6 liens – 1 with water off, 1 Sewer Disconnection Notice, 4 to be disconnected
Port Barrington – 5 customers
5 liens – 5 to be disconnected, 1 in foreclosure

\$1001 and up

11 Active Accounts

Island Lake – 5 customers
5 liens – 4 with water off, 1 to be disconnected from sewer
Lakemoor – 6 customers
6 liens – 2 sold for delinquent taxes; with 1 to be demolished, 4 to be disconnected

Delinquent Accounts total (active and inactive customers): **\$53,630.62** (\$9,701.89 inactive accts)

July 2019's report: **\$46,983.10**

July 2018's report: **\$52,275.76**

MONTHLY ACTIVITY:

4797 Monthly Bills mailed 8/01/20 (for July service)
396 Bills not mailed – customers prepaid on their accounts
16 Water Shut Off Notices mailed on 8/04/20
12 Final Notices of Delinquency mailed on 8/04/20
9 Sewer Disconnection Notices mailed on 8/04/20

70 Notices of Delinquency mailed 8/04/20
23 Real Estate closings for July 2020
8 Final Water Shut off Notices mailed 8/04/20
26 Liens filed in July
21 Liens released in July



"We had a catch-22, but we 86'd it and now we're looking at a surplus of 64!"



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org



NORTHERN MORaine **W R D**

AGENDA **REGULAR MEETING** **7:30 P.M. – August 11, 2020**

Zoom Meeting w/ Video: <https://us02web.zoom.us/j/7578151340>
Zoom Meeting w/ Audio Only: +13126266799,, 7578151340#

- 1. CALL TO ORDER & ROLL CALL**
- 2. PLEDGE OF ALLEGIANCE**
- 3. PRESENTATION & APPROVAL OF MINUTES**
 - a. Regular Meeting Minutes – July 14, 2020
 - b. Semi-Annual Executive Session Minutes Review
- 4. TREASURER'S 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**
- 10. NEW BUSINESS**
 - a. Board of Trustees Appointment for Term Ending April 30, 2021
 - b. Accept the Annual Audit for Year Ending April 30, 2020
 - c. Lily Lake Road Project Update
 - d. Adoption of a Resolution Designating Surplus Equipment and Authorizing Disposal through Auction
- 11. MISCELLANEOUS CORRESPONDENCE**
 - a. MCCG Membership Meeting
- 12. APPROVAL OF BILLS**
- 13. OTHER BUSINESS**
 - a. Executive Session – Litigation, if needed

Posted to www.nmwrd.org - August 7, 2020



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org