



NORTHERN MORAINÉ W R D

Decennial Committee Meeting

Northern Moraine Wastewater Reclamation District

January 9, 2024 – 6:30 p.m.

Agenda

1. Attendees and Introductions

- Kenneth A Michaels, Jr. District President (Chairperson of the Committee)
- John R. Ragland, District Trustee
- Timothy R. Brunn, District Trustee
- Caretina Tellez, District Trustee
- Donald Ashley, District Trustee
- Mohammed Haque, District Manager
- Joe Lapastora, District Director of Operations
- Jeff Giles, Village of Holiday Hills President
- Todd Weihofen, Village of Lakemoor Administrator
- John Grothendick, Village of Port Barrington Trustee
- Richard McLaughlin, Village of Island Lake President
- Trotter and Associates – Scott Trotter, Lindsay Muth, Irena Hix

2. Review of Action Items from September 12, 2023 Meeting

- Villages of Island Lake, Lakemoor, Port Barrington, and Holiday Hills – Provide TAI and the District with future development information within the next month.
- TAI – Schedule individual future development meetings between TAI, the District, and each Village.

3. Review of Available Planning Area Build-out Information

- PE Definition
 - Most communities contain both residential and non-residential land uses.
 - Analysis of current and future water usage based on “population equivalents,” or PE, the basis of residential and non-residential demands to be analyzed.
 - One PE = water consumed by one resident, as determined by historic data.

- 2014 Wastewater Facility Plan Data for Future Development
 - Parcel data from McHenry and Lake Counties utilized from each County’s GIS database for the District’s Corporate Boundary.
 - Estimates of buildout approximated based on number of acres in the boundary multiplied by a multiplier for residential or commercial land use.

- 2022 PE and Flows Summary
 - PE Calculated within the NMWRD Corporate Boundary based on the following:
 - Mapping data used for the 2014 Facility Plan which included residential parcels billed for wastewater usage for the 2023 facility plan.
 - New residential sewer connections in District since 2015 provided PE to 2022.
 - Commercial population equivalents calculated based on the usage of metered users, apartment units, and low and regular users in the District.
 - Most of Holiday Hills assumed as future development. Only two homes have connected to the District’s sewer.
 - Flows calculated utilizing the District’s actual flows from the wastewater treatment plant in 2022 and pumped flow at the District’s lift stations by Village.

Community	Basins	Residential PE	Commercial PE	Total PE
Village of Lakemoor	NE, NW	3,386	915	4,301
Village of Island Lake	Central, E, Near E, Waterford	8,313	1,130	9,443
Village of Port Barrington	South Central, S	1,517	128	1,645
Village of Holiday Hills	Waterford	5	0	5
Total		13,221	2,173	15,394

Community	2022 Influent Flow (MGD)	2022 Effluent Flow (MGD)	% of Total Influent Flow	% of Total Effluent Flow
Village of Lakemoor	140.47	140.47	36%	34%
Village of Island Lake	210.31	233.80	54%	57%
Village of Port Barrington	39.35	39.35	10%	10%
Total Plant Flows*	390.133	413.62		

Note: Holiday Hills is not included in the District’s flows as it was not yet connected to the District’s sewer in 2022.



- Village Comprehensive Plans and Future Development Summary

Holiday Hills (From Holiday Hills Sewer Ext. Project TAI Design Memo):

- Planned eventual build out north of Holiday Hills/Sunset Drive.
- 335 homes connected by end of Sewer Extension Project.

Port Barrington (2013 Comprehensive Plan):

- Open farmland located at the Southeast corner of Roberts and Darrell Roads, not in District's FPA, available for annexation and would be developed for mainly residential with commercial center.

Lakemoor (2013 Comprehensive Plan):

- Several Zoning and Future Use Maps without acreage or GIS data.
- Proposed General Residential Map without acreage or GIS data.
- 2013 Land Use Plan notes exploring possible sites for new schools.

Island Lake (2023 Comprehensive Plan):

- Golden Oak Farms – Village plans to work with owners to initiate a reasonable division of the farm holdings among neighboring communities.
- Zoning map without acreage or GIS data.
- General Population build-out graph/timeline with Total Future Housing Units.
- Plan to develop subdivision off Dowell Road, South of Black Crown Marsh State Natural Area.

4. Future Meeting Dates – 3/12/24 @ 6:30 PM

