



AGENDA

MARQUETTE AREA WASTEWATER TREATMENT FACILITY ADVISORY BOARD

September 18, 2025 at 10:00 a.m.

**Note: Meeting Location – Marquette Area Wastewater Treatment Facility
1930 US 41 South**

MEETING CALLED TO ORDER

ROLL CALL

Members Present:

Members Absent:

Others in Attendance:

1. AGENDA APPROVAL - Additions/Deletions
2. PRIOR MEETING MINUTES (*August 2025*)
3. FINANCIAL
 - a. Financial Report (*August 2025*)
4. OPERATIONS REPORT (*August 2025*)
5. NEW BUSINESS
6. OLD BUSINESS
 - a. Solids Handling Project
7. PUBLIC COMMENT (limited to three minutes)
8. BOARD COMMENT
9. ADJOURNMENT

NEXT MEETING
Marquette Township Hall
October 16, 2025 at 10:00 a.m.



DRAFT

MARQUETTE AREA WASTEWATER TREATMENT FACILITY ADVISORY BOARD MEETING MINUTES August 21, 2025

A regular meeting of the Marquette Area Wastewater Treatment Facility Advisory Board was held at 10:02 a.m., August 21, 2025, at the Marquette Area Wastewater Treatment Plant.

ROLL CALL

PRESENT Leonard Bodenus, Marquette Township
Sean Hobbins, City of Marquette
George Patrick, City of Marquette
Joe Neumann, Chocolay Township

ABSENT Chris Lucas, Chocolay Township (Chair)
Jim Compton, City of Marquette

OTHERS Mark O'Neill, City of Marquette
Dan Johnston, City of Marquette
Karla Kramer, City of Marquette
Melissa Erkkila, City of Marquette

AGENDA It was moved by S. Hobbins, supported by G. Patrick, to approve the agenda. Approved 4-0.

MINUTES It was moved by S. Hobbins, supported by J. Neumann, to approve the July 17, 2025, meeting minutes as written. Approved 4-0.

FINANCIAL

• Financial Report

M. O'Neill, City of Marquette, presented the Financial Report. M. O'Neill stated M. Schlicht submitted the July Financial Report. Everything looks to be status quo thus far. M. O'Neill asked if there were any questions and stated Mary is available if needed.

OPERATIONS REPORT

D. Johnston, City of Marquette, presented the Operations Report



PERMIT COMPLIANCE FOR THE MONTH(S):

- PERMIT COMPLIANCE: There were no permit violations for the month of July.

PLANT NOTES:

- The Waste Receiving Station continues to function smoothly. We've picked up two more haulers, for a total of five so far. G. Patrick asked who the new haulers are. D. Johnston stated A-1 Toilets and Hamel. Both are small outfits that like the availability of dumping when working in the area.
- Staff replaced the bearings and mechanical seal in the water booster pump for our GBT. We encountered many problems during this process, but we came together and managed to complete the repairs. The GBT cannot be run without this pump, so we definitely felt the pressure to succeed. G. Patrick asked how big and expensive the pump is. D. Johnston stated it would cost approximately \$3,000 to replace and it is a standard pump with availability. The seals arrived in a week.
- I replaced the actuator for the metering valve that controls the temperature of our digesters.
- Staff discovered the #2 bunker sump pump was plugged. Thanks to the improvements we suggested during the installation of these pumps as part of the solids handling project, we were able to flush it out and get it back into service with relative ease.
- Staff discovered and repaired two cracks in the high pressure FEW lines in the plant. We were able to perform the repairs without having to shut the system down entirely.
- Staff replaced a broken shear pin for the #3 & #4 primary clarifier drive. There was nothing wrong with the drive itself, the pin had become weak due to corrosion.
- The small dual fuel boiler would not come on when commanded. I traced the problem to a faulty output from the PLC. I was able to re-land the wires to the boiler on a different output of the PLC, and I re-programmed the PLC to correctly route the call-to-run signal to the boiler.
- Staff discovered the #2 filtrate pump would not run and was having frequent "pump fail" alarms. I found the E777 overload unit was faulty. I replaced the unit, but these replacement units require programming changes to make them compatible with our control system. These changes take several hours to complete, and if the changes are not made, the equipment will not operate. I have a box full of these units that have failed over the years, and depending on where we get them they cost between \$700 and \$900+ each...it would be nice to find an alternative. G. Patrick asked if D. Johnston had any alternative recommendations. D. Johnston stated the communication network with our MCC panels is called Device Net. There are more updated ways of doing it but the upgrade would cost over \$100,000. We are trying to limp it along until this can be done. The technology is from the last upgrade in 2008.



INDUSTRIAL WASTEWATER ACCEPTANCE ACTIVITY FOR JULY 2025

Source	Volume (gallons)	Total
Fabick/CAT	2,000	\$280.00
LS&I	8,700	\$1,218.00
Wisconsin Electric	37,000	\$1,480.00
Grand Totals	47,700	\$2,978.00

SEPTAGE ACTIVITY FOR JULY 2025

Source	Volume (gallons)	Total
Carey/Sodergren	26,859	\$4,834.62
North Country	56,374	\$10,147.32
Stenberg	18,394	\$3,310.92
Grand Totals	101,627	\$18,292.86

NEW BUSINESS

- None

OLD BUSINESS

- **Solids Handling Project**

M. O'Neill stated the belt press manufacturer is sending a polymer company to address the belt press not meeting the guaranteed 16%. We are also waiting on JCI to address the gate, site security camera and server. Otherwise, everything is working good.

PUBLIC COMMENT

- None

BOARD COMMENT

- None

ADJOURNMENT

The meeting was adjourned at 10:11 a.m.

Reviewed by:
Mark O'Neill
Director of Municipal Utilities

Prepared by:
Melissa Erkkila

MARQUETTE AREA WASTEWATER TREATMENT FACILITY
STATEMENT OF REVENUES AND EXPENSES
For the fiscal period ended August 31, 2025

	Amended Budget FY'25	8/31/2025	% of budget collected / distributed	NOTES:
Operating Revenues				
Services for City of Marquette	\$ 4,464,280.00	\$ 2,264,791.74	50.73%	Preliminary billings through July 2025 activities, and monthly PILT amounts recorded through August 2025
Services for Marquette Township	469,040.00	257,305.89	54.86%	
Services for Chocolay Township	229,800.00	69,658.85	30.31%	
Services to other	100,000.00	130,665.60	130.67%	
Equipment rental and miscellaneous	-	69,508.85	#DIV/0!	
TOTAL OPERATING REVENUES	5,263,120.00	2,791,930.93		
Operating Expenses				
Operation labor	998,580.00	910,299.26	91.16%	
Operation supplies and expenses	129,500.00	99,794.77	77.06%	
Chemicals	170,000.00	184,759.13	108.68%	
Purchased power and utilities	252,000.00	183,625.74	72.87%	BLP thru 07/22/25; SEMCO thru 07/01/25; Water thru 07/28/25
Education	9,000.00	8,862.53	98.47%	
Professional services	480,000.00	219,196.54	45.67%	
Administrative:				
Salaries and wages	95,980.00	86,570.80	90.20%	
Salaries and wages - other [acc leave]	-	-	0.00%	
Fringe benefits	205,840.00	203,742.84	98.98%	Annual DB contribution [MERS] submitted 11/26/24
Office supplies	300.00	-	0.00%	
Professional and contractual	307,403.07	288,625.77	93.89%	FY'25 Admin / Technology / Gen & Protect Fee / SRF Engineering Svcs. [\$138,025.77]
Insurance and bonds	60,330.00	64,125.00	106.29%	This amt of insurance premium covers thru September 30, 2025
Rental	1,000.00	1,000.00	100.00%	
Miscellaneous	11,700.00	10,725.00	91.67%	FY'25 Stormwater is \$975 per month
Capital outlay or transfer to reserves	1,797,755.71	1,545,771.58	85.98%	Will adjust to \$300,000 annual contribution to 'reserve' account by FYE'25
Depreciation	757,200.00	564,290.59	74.52%	Approx. \$62,700 per month (only posted through 6/30/25)
Payment in lieu of taxes	293,120.00	268,686.00	91.66%	FY'25 PILT is \$24,426 per month
Debt Service Payments:				
Principal	1,010,370.00	-	0.00%	Pmt due September 2025
Interest	324,610.00	278,444.33	85.78%	Pmts due March & September 2025; TELP pmt 6/15/25
TOTAL OPERATING EXPENSES	6,904,688.78	4,918,519.88		
OPERATING GAIN (LOSS)	\$ (1,641,568.78)	\$ (2,126,588.95)		

Please feel free to reach out if you have any questions about this report. I can be reached via email at mschlicht@marquettemi.gov or via phone at (906) 225-8559

PERIOD ENDING 08/31/2025

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

		YTD BALANCE 08/31/2024		2024-25	YTD BALANCE 08/31/2025		AVAILABLE BALANCE		% BDGT
GL NUMBER	DESCRIPTION	NORMAL	(ABNORMAL)	AMENDED BUDGET	NORMAL	(ABNORMAL)	NORMAL	(ABNORMAL)	USED
Fund 590 - MQT AREA WASTEWATER TREATMENT									
Services for City of Marquette									
590-000-622.000	City of Marquette	1,926,009.65		4,464,280.00	2,264,791.74		2,199,488.26		50.73
Net Services for City of Marquette		1,926,009.65		4,464,280.00	2,264,791.74		2,199,488.26		50.73
Services for Marquette Township									
590-000-623.000	Marquette Township	228,580.75		469,040.00	257,305.89		211,734.11		54.86
Net Services for Marquette Township		228,580.75		469,040.00	257,305.89		211,734.11		54.86
Services for Chocolay Township									
590-000-624.000	Chocolay Township	58,208.35		229,800.00	69,658.85		160,141.15		30.31
Net Services for Chocolay Township		58,208.35		229,800.00	69,658.85		160,141.15		30.31
Services to other									
590-000-625.000	Other	42,841.00		100,000.00	130,665.60		(30,665.60)		130.67
Net Services to other		42,841.00		100,000.00	130,665.60		(30,665.60)		130.67
Equipment rental and miscellaneous									
590-000-665.000	Interest	95,117.43		0.00	55,953.87		(55,953.87)		100.00
590-000-667.000	Rent	9,058.77		0.00	10,381.09		(10,381.09)		100.00
590-000-676.000	Reimbursements	4,795.33		0.00	102.44		(102.44)		100.00
590-000-695.000	Other Financing Sources	1,880.72		0.00	471.45		(471.45)		100.00
590-000-695.000-50239	Other Financing Sources-COVID-19	4,400.00		0.00	2,600.00		(2,600.00)		100.00
Net Equipment rental and miscellaneous		115,252.25		0.00	69,508.85		(69,508.85)		100.00
Operation labor									
590-527-702.000	Wages	404,773.69		511,220.00	431,903.29		79,316.71		84.48
590-527-715.000	Longevity	1,600.00		1,630.00	2,090.00		(460.00)		128.22
590-527-716.000	Social Security	30,733.04		40,200.00	32,460.16		7,739.84		80.75
590-527-717.000	Health Insurance	152,509.17		185,870.00	161,638.41		24,231.59		86.96
590-527-718.000	Life Insurance	412.39		500.00	394.03		105.97		78.81
590-527-719.000	Unemployment Insurance	577.60		520.00	1,733.40		(1,213.40)		333.35
590-527-720.000	Disability Insurance	874.61		1,060.00	760.97		299.03		71.79
590-527-721.000	Workers Compensation	2,296.00		2,190.00	2,085.00		105.00		95.21
590-527-722.000	Retirement-MERS	232,936.00		255,390.00	258,254.00		(2,864.00)		101.12
590-527-725.000	OPEB Contribution	3,251.88		0.00	18,980.00		(18,980.00)		100.00
Net Operation labor		(829,964.38)		(998,580.00)	(910,299.26)		(88,280.74)		91.16
Operation supplies and expenses									
590-527-729.000	Fuel-Wastewater	3,063.22		3,500.00	3,414.99		85.01		97.57
590-527-740.000	Operating Supplies	21,302.87		28,000.00	15,323.69		12,676.31		54.73
590-527-775.000	Repair/Maintenance Supplies	62,383.39		104,371.00	76,746.80		27,624.20		73.53
590-527-945.000	Vehicle & Equipment Rental	4,822.96		18,000.00	4,309.29		13,690.71		23.94
Net Operation supplies and expenses		(91,572.44)		(153,871.00)	(99,794.77)		(54,076.23)		64.86
Chemicals									
590-527-731.000	Chemicals	134,920.49		170,000.00	184,759.13		(14,759.13)		108.68
Net Chemicals		(134,920.49)		(170,000.00)	(184,759.13)		14,759.13		108.68
Purchased power and utilities									
590-527-920.000	Purchased Power	134,841.19		160,000.00	129,152.09		30,847.91		80.72
590-527-921.000	Purchased Natural Gas	54,076.61		90,000.00	50,951.56		39,048.44		56.61

PERIOD ENDING 08/31/2025

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	YTD BALANCE 08/31/2024		2024-25 AMENDED BUDGET	YTD BALANCE 08/31/2025		AVAILABLE BALANCE		% BDGT USED
		NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	NORMAL	(ABNORMAL)	
Fund 590 - MQT AREA WASTEWATER TREATMENT									
590-527-922.000	Purchased Water		1,643.40	2,000.00		3,522.09		(1,522.09)	176.10
Net Purchased power and utilities			(190,561.20)	(252,000.00)		(183,625.74)		(68,374.26)	72.87
Education									
590-527-865.000	Conference/Seminars		6,392.90	9,000.00		8,862.53		137.47	98.47
Net Education			(6,392.90)	(9,000.00)		(8,862.53)		(137.47)	98.47
Professional services									
590-527-801.000	Professional/Contractual		153,260.22	280,000.00		187,015.84		92,984.16	66.79
590-527-801.000-50219	Prof/Contr-JCI Maint Costs		133,620.41	200,000.00		32,180.70		167,819.30	16.09
Net Professional services			(286,880.63)	(480,000.00)		(219,196.54)		(260,803.46)	45.67
[Admin] Salaries and wages									
590-561-702.000	Wages		76,397.87	89,310.00		80,494.59		8,815.41	90.13
590-561-716.000	Social Security		5,950.13	6,670.00		6,076.21		593.79	91.10
Net [Admin] Salaries and wages			(82,348.00)	(95,980.00)		(86,570.80)		(9,409.20)	90.20
[Admin] Fringe benefits									
590-561-715.000	Longevity		322.48	430.00		322.49		107.51	75.00
590-561-717.000	Health Insurance		35,542.13	24,960.00		20,949.27		4,010.73	83.93
590-561-718.000	Life Insurance		114.51	150.00		112.75		37.25	75.17
590-561-719.000	Unemployment Insurance		79.42	90.00		211.86		(121.86)	235.40
590-561-720.000	Disability Insurance		179.36	270.00		184.47		85.53	68.32
590-561-721.000	Workers Compensation		693.00	690.00		702.00		(12.00)	101.74
590-561-722.000	Retirement-MERS		169,295.00	179,250.00		181,260.00		(2,010.00)	101.12
Net [Admin] Fringe benefits			(206,225.90)	(205,840.00)		(203,742.84)		(2,097.16)	98.98
[Admin] Office supplies									
590-561-727.000	Office Supplies		106.17	300.00		0.00		300.00	0.00
Net [Admin] Office supplies			(106.17)	(300.00)		0.00		(300.00)	0.00
[Admin] Professional and contractual									
590-561-801.000	Professional/Contractual		5,832.20	6,220.00		6,346.00		(126.00)	102.03
590-561-801.000-50300	Prof/Contr-SRF 2022		224,618.57	143,813.07		138,025.77		5,787.30	95.98
590-561-806.000	Administration Charges		69,146.00	74,800.00		68,563.00		6,237.00	91.66
590-561-809.000	General & Protective		10,142.00	10,920.00		10,010.00		910.00	91.67
590-561-812.000	Technology Svcs Fund Fee		63,371.00	71,650.00		65,681.00		5,969.00	91.67
Net [Admin] Professional and contractual			(373,109.77)	(307,403.07)		(288,625.77)		(18,777.30)	93.89
[Admin] Insurance and bonds									
590-561-910.000	Insurance		51,421.00	60,330.00		64,125.00		(3,795.00)	106.29
Net [Admin] Insurance and bonds			(51,421.00)	(60,330.00)		(64,125.00)		3,795.00	106.29
[Admin] Rental									
590-561-943.000	Bldg/Office Rent		1,000.00	1,000.00		1,000.00		0.00	100.00
Net [Admin] Rental			(1,000.00)	(1,000.00)		(1,000.00)		0.00	100.00
[Admin] Miscellaneous									
590-561-923.000	Stormwater Fee		9,295.00	11,700.00		10,725.00		975.00	91.67
Net [Admin] Miscellaneous			(9,295.00)	(11,700.00)		(10,725.00)		(975.00)	91.67

PERIOD ENDING 08/31/2025

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	YTD BALANCE	2024-25	YTD BALANCE	AVAILABLE	% BDGT
		08/31/2024		08/31/2025		
		NORMAL (ABNORMAL)	AMENDED BUDGET	NORMAL (ABNORMAL)	NORMAL (ABNORMAL)	USED
Fund 590 - MQT AREA WASTEWATER TREATMENT						
[Admin] Capital outlay and transfer to reserves						
590-000-697.000	Use of Replacement Reserve	0.00	1,641,568.78	0.00	1,641,568.78	0.00
590-598-976.000-50300	C/O-Biosolids Storage CWSRF'23	7,675,807.33	1,476,810.71	1,524,663.33	(47,852.62)	103.24
590-598-977.000	Capital Outlay-Equipment	0.00	20,945.00	21,108.25	(163.25)	100.78
590-598-977.000-50294	C/O-Equipment-Fire Alarm System	57,903.35	0.00	0.00	0.00	0.00
590-599-997.000	Reserves	0.00	275,629.00	0.00	275,629.00	0.00
Net [Admin] Capital outlay and transfer to reserves		(7,733,710.68)	(131,815.93)	(1,545,771.58)	1,413,955.65	1,172.67
[Admin] Depreciation						
590-561-968.000	Depreciation	682,582.68	757,200.00	564,290.59	192,909.41	74.52
Net [Admin] Depreciation		(682,582.68)	(757,200.00)	(564,290.59)	(192,909.41)	74.52
[Admin] Payment in lieu of taxes						
590-561-954.000	Payment In Lieu of Taxes	271,733.00	293,120.00	268,686.00	24,434.00	91.66
Net [Admin] Payment in lieu of taxes		(271,733.00)	(293,120.00)	(268,686.00)	(24,434.00)	91.66
[Debt Service] Principal						
590-561-991.000	Debt Service-Principal	0.00	1,010,370.00	0.00	1,010,370.00	0.00
Net [Debt Service] Principal		0.00	(1,010,370.00)	0.00	(1,010,370.00)	0.00
[Debt Service] Interest						
590-561-990.000	TELP Lease Payment	186,634.00	194,040.00	194,031.00	9.00	100.00
590-561-995.000	Debt Service-Interest	35,442.95	130,570.00	84,413.33	46,156.67	64.65
Net [Debt Service] Interest		(222,076.95)	(324,610.00)	(278,444.33)	(46,165.67)	85.78
Fund 590 - MQT AREA WASTEWATER TREATMENT:						
TOTAL REVENUES		2,370,892.00	6,904,688.78	2,791,930.93	4,112,757.85	40.44
TOTAL EXPENDITURES		11,173,901.19	6,904,688.78	4,918,519.88	1,986,168.90	71.23
NET OF REVENUES & EXPENDITURES		(8,803,009.19)	0.00	(2,126,588.95)	2,126,588.95	100.00

Marquette Area Wastewater Treatment Plant

Advisory Board Meeting

Operations Report for August 2025

September 18, 2025



Permit Compliance for August 2025:

We violated our total phosphorus permit level for August. We are uncertain as to the exact cause, but it was most likely something coming through the plant that harmed the phosphorus-accumulating organisms in the Bio-P treatment section of the plant.

Plant Notes

- Our current polymer vendor, Midwest Chemical, had two employees on site to perform some jar testing on our liquid biosolids. Once again, they confirmed that the product we are using yields the best results for dewatering the sludge. We also had two reps from another polymer vendor, Polydyne, on site to try some of their products. Their results showed that the Midwest product does indeed yield good results, but they have two products they believe may be better. We have sent another digested sludge sample to Alfa Laval this week so they can run their tests using these two new products alongside the polymer we have been using. Results are pending.
- Kraft was on site to remove the genset from the #2 CoGen unit. We have brought the genset to Malton Electric in Ishpeming for an estimate for repair/overhaul, if possible.
- We are ready to go with what should be our final biosolids cake haulout to the Kempker farms in Trenary. We are waiting for the hauler to let us know when they are ready.
- I have been working with Donohue to correct some random issues that have been occurring with our new EQ Pump...it randomly decides to shut itself off with no obvious reason why it would do so. One of Donohue's integrators and I agreed that the problem could be a faulty output from the PLC. Such a failure is very rare, but it is a potential cause that we can eliminate.
- Staff repaired another leaking fitting on our FEW system.
- Staff from JCI were on site to replace a failed camera and to begin the process of repairing or replacing our camera system's NVR server. JCI is also on the hook to finally address the outstanding issues with our site access system.
- Staff repaired a faulty valve stem for one of our outdoor FEW hydrants.

INDUSTRIAL WASTEWATER ACCEPTANCE ACTIVITY FOR AUGUST 2025

Source	Volume (gallons)	Total
Fabick/CAT	2,000	\$280.00
Wisconsin Electric	44,500	\$1,780.00
MDOT (Liquid Vactor Waste)	14,600	\$2,044.00
MDOT (Storm Sewer Sand)	79	\$10,665.00
Grand Totals	61,100	\$14,769.00

SEPTAGE ACTIVITY FOR AUGUST 2025

Source	Volume (gallons)	Total
Carey/Sodergren	47,638	\$8,574.84
North Country	57,187	\$10,293.66
Stenberg	46,965	\$8,453.70
Hamel	1,666	\$299.88
A1 Toilets	5,908	\$1,063.44
Grand Totals	159,364	\$28,685.52