

# North Green Municipal Utility District

## WATER DISTRIBUTION SYSTEM SUMMARY

August 2024

HGCSD Permit No. Pending	City of Houston GRP
Permit Period	01/01/2024 to 12/31/2024
Year to Date Pumpage	119,512,000
Monthly Pumpage	14,892,000
Cumulative Monthly Average      8 Months	14,939,000
Daily Average Pumpage	480,000
Water Accountability	Current Month 82.63 % - YTD 93.63%
Water Bacteriology	Date Taken & Results of Analyses
Number of Samples: 3	8/16/24 No Coliforms Detected
Number of Samples: 3	8/20/24 No Coliforms Detected
Number of Special Sample:	
Comments: Water accountability currently under investigation.	

**TCEQ MONTHLY REPORT**  
**Water Works Operation for**  
**Ground water Supplies**

Send Reports To: TCEQ  
P.O. Box 13087  
Austin, TX 78711-3087

Name of system North Green MUD County Harris  
Water System I.D. No. 101-0331 Month of: August 2024

Day of Month	Pumpage to Distribution System in Thousand Gals.				Disinfection		Corrosion Control	Other Treatment	Fluoride Residuals
	Direct from Wells	From Gnd. Storage	Purchased from Others	Total Pumpage	Entry Point	Dist. System			
1	542			542	1.3	1.1			
2	430			430	1.3	1.2			
3	366			366	1.3	1.1			
4	475			475	1.3	1.1			
5	588			588	1.2	1.2			
6	390			390	1.2	1.3			
7	476			476	1.5	1.3			
8	489			489	1.5	1.3			
9	499			499	1.4	1.3			
10	354			354	1.3	1.2			
11	474			474	1.3	1.1			
12	548			548	1.4	1.5			
13	435			435	1.4	1.4			
14	517			517	1.4	1.3			
15	564			564	1.3	1.4			
16	410			410	1.5	1.2			
17	600			600	1.6	1.4			
18	481			481	1.3	1.2			
19	489			489	1.6	1.9			
20	333			333	1.4	1.4			
21	503			503	1.6	1.4			
22	511			511	1.5	1.5			
23	528			528	1.4	1.3			
24	476			476	1.5	1.3			
25	415			415	1.6	1.3			
26	639			639	1.5	1.4			
27	452			452	1.5	1.4			
28	435			435	1.5	1.3			
29	586			586	1.6	1.5			
30	441			441	1.5	1.4			
31	446			446	1.4	1.3			
<b>TOTAL:</b>	<b>14892</b>			<b>14892</b>					
<b>AVG.:</b>	<b>480</b>			<b>480</b>	<b>1.4</b>	<b>1.3</b>			
<b>MAX.:</b>	<b>639</b>			<b>639</b>	<b>1.6</b>	<b>1.9</b>			
<b>Min.:</b>	<b>333</b>			<b>333</b>	<b>1.2</b>	<b>1.1</b>			

Calendar Year to Date	117,396	0	2,116	119,512	0	# below	in disinfectant	0.2
					0.0%	% below	minimum disinfectant	
					0	# = 0	sample days	31
					0.0%	% of 0s	# of samples	31.0

No. of active water services: 369 Total: 378 Chemical analysis: 12/6/2016  
Dates and results of distribution bacteriological analysis: 8/16, 8/20/24  
Dates and results of raw unchlorinated well water samples: \_\_\_\_\_  
Reservoirs or tanks cleaned: AS NEEDED Dead ends flushed: 8/23  
General remarks: \_\_\_\_\_

Submitted by: David B. Rowe (18) Certificate no.: WO 0004001  
President, Water District Management

2798, 2799, &  
well #: 3572

# North Green MUD

## HGCSD Permit Period

### Water Usage Summary

Reporting Period			Year to Date Jan. - Dec.
July 14	to	August 15 2024	
<b>Water billed</b>	metered - billed	12,037,000	106,408,000
<b>Temporary Service</b>	metered - billed		0
Water leaks	estimated	75,000	3,155,200
Stuck Meters	estimated		0
	estimated		0
GST overflow NOT PLANNED	estimated		0
GST emptied / fill PLANNED	estimated		0
Flushing	estimated	21,950	288,100
	estimated		0
Sewer jetting	estimated	700	4,700
No Bill Accounts	metered - not billed	4,000	34,000
WWTP	metered - not billed	76,000	2,312,000
	metered - not billed		0
Water to:			0
<b>Total water accounted for:</b>		<b>12,214,650</b>	<b>112,202,000</b>
<b>Water pumped:</b>		<b>14,782,000</b>	<b>117,716,000</b>
Water from:			2,116,000
<b>Accountability</b>		<b>82.63%</b>	<b>93.63%</b>
<b>Actual Billed vs. Pumped:</b>		<b>81.43%</b>	<b>88.80%</b>

# North Green Municipal Utility District

## WASTEWATER TREATMENT PLANT MONTHLY OPERATING SUMMARY

August 2024

TPDES Permit No. WQ0012206-001		Permit Expires: 2-9-2028			
NPDES Permit No. 83381-001					
		Average		Maximum	Excursion
Flow:	Actual MGD	0.369		0.560	NO
	Permitted MGD	0.600	62%	0	
	Monthly Total	11.453	MG	Annual Average	0.383
<b>CBOD<sub>5</sub>:</b>					
	Actual	7.0 lbs/day	2.3 Mg/L	3.0 Mg/L	NO
	Permitted	50.0 lbs/day	10.0 Mg/L	25.0 Mg/L	
<b>TSS:</b>					
	Actual	20.7 lbs/day	6.9 Mg/L	14.3 Mg/L	NO
	Permitted	75.0 lbs/day	15.0 Mg/L	40.0 Mg/L	
<b>NH<sub>3</sub>N</b>					
	Actual	0.6 lbs/day	0.2 Mg/L	0.3 Mg/L	NO
<b>Permitted Required Monitoring Only</b>					
<b>E.coli</b>					
	Actual	1.0		1.0	NO
	Permitted	63 MPN/100ml		200 MPN/100ml	
<b>Cl<sub>2</sub> Residual:</b>					
	Actual	Minimum 1.9 Mg/L		Maximum 3.3 Mg/L	NO
	Permitted	1.0 Mg/L		4.0 Mg/L	
Biosolids Management: Magna Flow Transported 70,000 gallons in August.					
Comments: All good.					



Code	Parameter Name	NODI	Quantity or Loading			Quality or Concentration			# of Ex.	Freq. of Analysis	Smpl. Type		
			Value 1	Value 2	Units	Value 1	Value 2	Value 3				Units	
50050	Flow, in conduit or thru treatment plant		Smpl.	= 0.369	= 0.560	MGD				0	99/99	TM	
1 - Effluent Gross													
Season: 0			Req.	<= 0.6 Daily Average		Req Mon Daily Maximum	Million Gallons per Day					Continuous	TOTALZ
NODI: <input type="text"/>			NODI	<input type="text"/>	<input type="text"/>								
50060	Chlorine, total residual		Smpl.				= 1.9		= 3.3	mg/L	0	01/01	GR
1 - Effluent Gross													
Season: 0			Req.				>= 1.0 Monthly Minimum		<= 4.0 Monthly Maximum	Milligrams per Liter		Daily	GRAB
NODI: <input type="text"/>			NODI	<input type="text"/>	<input type="text"/>		<input type="text"/>		<input type="text"/>				
51040	E. coli		Smpl.				= 1.0		= 1.0	CFU/100mL	0	02/30	GR
1 - Effluent Gross													
Season: 0			Req.				<= 63.0 Daily Average		<= 200.0 Daily Maximum	Colony Forming Units per 100ml		Twice Per Month	GRAB
NODI: <input type="text"/>			NODI	<input type="text"/>	<input type="text"/>		<input type="text"/>		<input type="text"/>				

**Edit Check Errors**

No results.

**DMR Comments**

FOR TOTAL KJELDAHL NITROGEN SEE OTHER REQUIREMENT SECTION, NO. 4 ON PAGE 34 OF THE PERMIT.

**Comments**

**Attachments**

No results.

**Report Last Saved By**

User: EASTEXDMRCT  
 Name: Cassie Tarron  
 E-Mail: ctarron.eastex@gmail.com  
 Date/Time: 09/06/24 12:48 CDT



P.O. Box 1089 Coldspring, Texas 77331

Website: eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



**Laboratory Analysis Report**

Client: North Green MUD  
 Water District Management  
 P.O. Box 579  
 Spring, TX 77383

**FINAL  
 REPORT**

Project ID: North Green Effluent  
 Report for: August, 2024  
 Customer ID: C-NOR8  
 Page 1 of 3

SAMPLING DATA	DATE COLLECTED	8/7/2024	8/7/2024	8/7/2024	8/14/2024	8/21/2024	8/22/2024
	DATE RECEIVED	8/7/2024	8/7/2024	8/7/2024	8/14/2024	8/21/2024	8/22/2024
	TIME COLLECTED	9:00	9:00	10:48	9:00	9:00	9:30
	SAMPLING POINT	Effluent	Effluent	Effluent Grab	Effluent	Effluent	Effluent Grab
	TYPE OF SAMPLE	Composite	Composite	Grab	Composite	Composite	Grab
	COLLECTED BY	WDM	WDM	OMR	WDM	WDM	PU
	SAMPLE NUMBER	C4H2385-01	C4H2387-01	C4H2386-01	C4H4971-01	C4H7037-01	C4H7038-01
FIELD DATA		8/7/2024	8/7/2024		8/14/2024	8/21/2024	
		10:49	9:00		9:38	9:36	
SM 4500 O G	DO (mg/L)	OMR	Clie		OMR	OMR	
	Flow (MGD)	<b>5.4</b>	<b>0.274</b>		<b>4.4</b>	<b>5.3</b>	
SM 4500 H + B	pH (std unit)	<b>0.274</b>	<b>0.274</b>		<b>0.405</b>	<b>0.391</b>	
		<b>7.1</b>			<b>7.2</b>	<b>7.1</b>	

**ANALYSIS DATA**

Ammonia as N mg/L *A	<b>Results</b> Analysis Date Analyst	<b>&lt;0.1</b> 8/14/2024 18:01 TMH			<b>&lt;0.1</b> 8/21/2024 11:36 TMH	<b>0.2</b> 8/30/2024 7:40 TDS	
CBOD 5 mg/L *A	<b>Results</b> Analysis Date Analyst	<b>&lt;2.0</b> 8/8/2024 8:00 MSK			<b>&lt;2.0</b> 8/15/2024 8:00 MSK	<b>3.1</b> 8/22/2024 7:20 MJP	
E coli IDEXX mpn/100ml *A	<b>Results</b> Analysis Date Analyst			<b>&lt;1</b> 8/7/2024 17:41 HIS			<b>&lt;1</b> 8/22/2024 14:56 HIS
Total Phosphorus mg/L *A	<b>Results</b> Analysis Date Analyst		<b>0.926</b> 8/12/2024 11:27 KJH				
TSS mg/L *A	<b>Results</b> Analysis Date Analyst	<b>8.4</b> 8/8/2024 15:00 SEJ			<b>2.2</b> 8/15/2024 14:52 KRT	<b>2.5</b> 8/22/2024 13:40 YM	

\*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved



P.O. Box 1089 Coldspring, Texas 77331

Website: eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



**Laboratory Analysis Report**

Client:	North Green MUD Water District Management P.O. Box 579 Spring, TX 77383	Project ID:	North Green Effluent
		Report for:	August, 2024
		Customer ID:	C-NOR8
			Page 2 of 3

SAMPLING DATA	DATE COLLECTED	8/28/2024	DATE RECEIVED	8/28/2024	TIME COLLECTED	9:00	SAMPLING POINT	Effluent	TYPE OF SAMPLE	Composite	Method No.	
											Avg	Max #/Day
FIELD DATA		8/28/2024			11:50							
SM 4500 O G	DO (mg/L)				OMR	4.4						
-	Flow (MGD)					0.404						
SM 4500 H + B	pH (std unit)					7.3						

**ANALYSIS DATA**

Ammonia as N mg/L *A	<b>Results</b> Analysis Date Analyst	<b>0.3</b> 9/5/2024 16:28 TDS					SM 4500 NH3 G 0.175	0.3 0.557
CBOD 5 mg/L *A	<b>Results</b> Analysis Date Analyst	<b>&lt;2.0</b> 8/29/2024 8:00 CNS					SM 5210 B 2.28	3.1 7.04
E coli IDEXX mpn/100ml *A	<b>Results</b> Analysis Date Analyst						Collert 18 GeoMean 1	
Total Phosphorus mg/L *A	<b>Results</b> Analysis Date Analyst						EPA 200.7 0.926	0.926 2.12
TSS mg/L *A	<b>Results</b> Analysis Date Analyst	<b>14.3</b> 8/29/2024 14:25 YM					SM 2540 D 6.85	14.3 20.7

\*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved



# North Green MUD

## Annual Flow Calculation

August 2024

Month & Year	Monthly Flow
September 2023	10.902 MG
October 2023	11.395 MG
November 2023	10.641 MG
December 2023	11.005 MG
January 2024	12.407 MG
February 2024	10.065 MG
March 2024	10.769 MG
April 2024	10.872 MG
May 2024	15.084 MG
June 2024	12.140 MG
July 2024	12.975 MG
August 2024	11.453 MG
*12 Month Flow Total	139.708 MG
<b>**Annual Daily Average</b>	<b>0.383 MG</b>

\*12 Month Flow Total - Represents the combined Monthly Flow for the 12 months as listed.

\*\*Annual Daily Average - calculated daily average flow based on the preceding 12 Month Flow Total divided by 365 days.

# FIN178 - Recap Report

Billing : 11307 - 07/15/24 - 08/15/24 - August 2024

North Green MUD - 027

Billing was run on 08/20/24 03:10:58 PM

Report By: G/L Account

Description	Last Month Receivable	Adjustments	Applied Credits	Adjusted Receivable	Current Penalty	Returned Checks	Prior Pmt Distr.	Payment Distribution	Applied Deposits	Total Arrears	Current Billing	Ending Balance
Adjustments	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Backflow Inspection	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Cofh GRP	\$41,316.58	\$0.00	\$0.00	\$41,316.58	\$0.00	\$0.00	(\$150.50)	(\$26,198.25)	(\$22.08)	\$14,945.75	\$34,017.36	\$48,963.11
Collections	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Credit Refund	\$0.00	\$520.56	\$0.00	\$520.56	\$0.00	\$0.00	\$0.00	\$0.00	(\$520.56)	\$0.00	\$0.00	\$0.00
Deposits	\$125.00	\$200.00	\$0.00	\$325.00	\$0.00	\$0.00	\$0.00	(\$325.00)	\$0.00	\$0.00	\$0.00	\$0.00
Disconnect/Reconnect Fee	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$0.00	\$0.00	(\$200.00)	\$0.00	\$0.00	\$0.00	\$0.00
Grease Trap Inspections	\$1,133.86	\$0.00	\$0.00	\$1,133.86	\$0.00	\$0.00	(\$25.00)	(\$908.86)	\$0.00	\$200.00	\$600.00	\$800.00
Inspections	\$662.50	\$0.00	\$0.00	\$662.50	\$0.00	\$0.00	\$0.00	(\$662.50)	\$0.00	\$0.00	\$0.00	\$0.00
Miscellaneous	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
New Account/App Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NSF	\$25.00	\$0.00	\$0.00	\$25.00	\$0.00	\$0.00	\$0.00	(\$25.00)	\$0.00	\$0.00	\$0.00	\$0.00
Penalty	\$742.05	\$0.00	\$0.00	\$742.05	\$2,863.90	\$0.00	\$938.05	(\$516.93)	(\$6.36)	\$4,020.71	\$0.00	\$4,020.71
Returned Checks	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sewer	\$18,762.39	\$0.00	\$0.00	\$18,762.39	\$0.00	\$0.00	(\$182.31)	(\$13,015.60)	(\$133.20)	\$5,431.28	\$15,978.62	\$21,409.90
Tap Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Transfer Fee	\$25.00	\$25.00	\$0.00	\$50.00	\$0.00	\$0.00	\$0.00	(\$50.00)	\$0.00	\$0.00	\$0.00	\$0.00
TS&V	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Water	\$53,486.01	\$0.00	\$0.00	\$53,486.01	\$0.00	\$0.00	(\$1,058.54)	(\$33,229.65)	(\$51.20)	\$19,146.62	\$50,933.16	\$70,079.78
<b>TOTALS</b>	<b>\$116,278.39</b>	<b>\$945.56</b>	<b>\$0.00</b>	<b>\$117,223.95</b>	<b>\$2,863.90</b>	<b>\$0.00</b>	<b>(\$478.30)</b>	<b>(\$75,131.79)</b>	<b>(\$733.40)</b>	<b>\$43,744.36</b>	<b>\$101,529.14</b>	<b>\$145,273.50</b>
<b>OVER PAYMENTS</b>	<b>(\$1,886.67)</b>			<b>(\$1,886.67)</b>		<b>\$0.00</b>	<b>\$478.30</b>	<b>(\$1,831.51)</b>	<b>\$333.40</b>	<b>(\$2,906.48)</b>		<b>(\$2,906.48)</b>
<b>TOTAL RECEIVABLES</b>	<b>\$114,391.72</b>	<b>\$945.56</b>	<b>\$0.00</b>	<b>\$115,337.28</b>	<b>\$2,863.90</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$76,963.30)</b>	<b>(\$400.00)</b>	<b>\$40,837.88</b>	<b>\$101,529.14</b>	<b>\$142,367.02</b>

# FIN178 - Recap Report

Billing : 11307 - 07/15/24 - 08/15/24 - August 2024

Billing was run on 08/20/24 03:10:58 PM

Report By: G/L Account

Water District Management

North Green MUD - 027

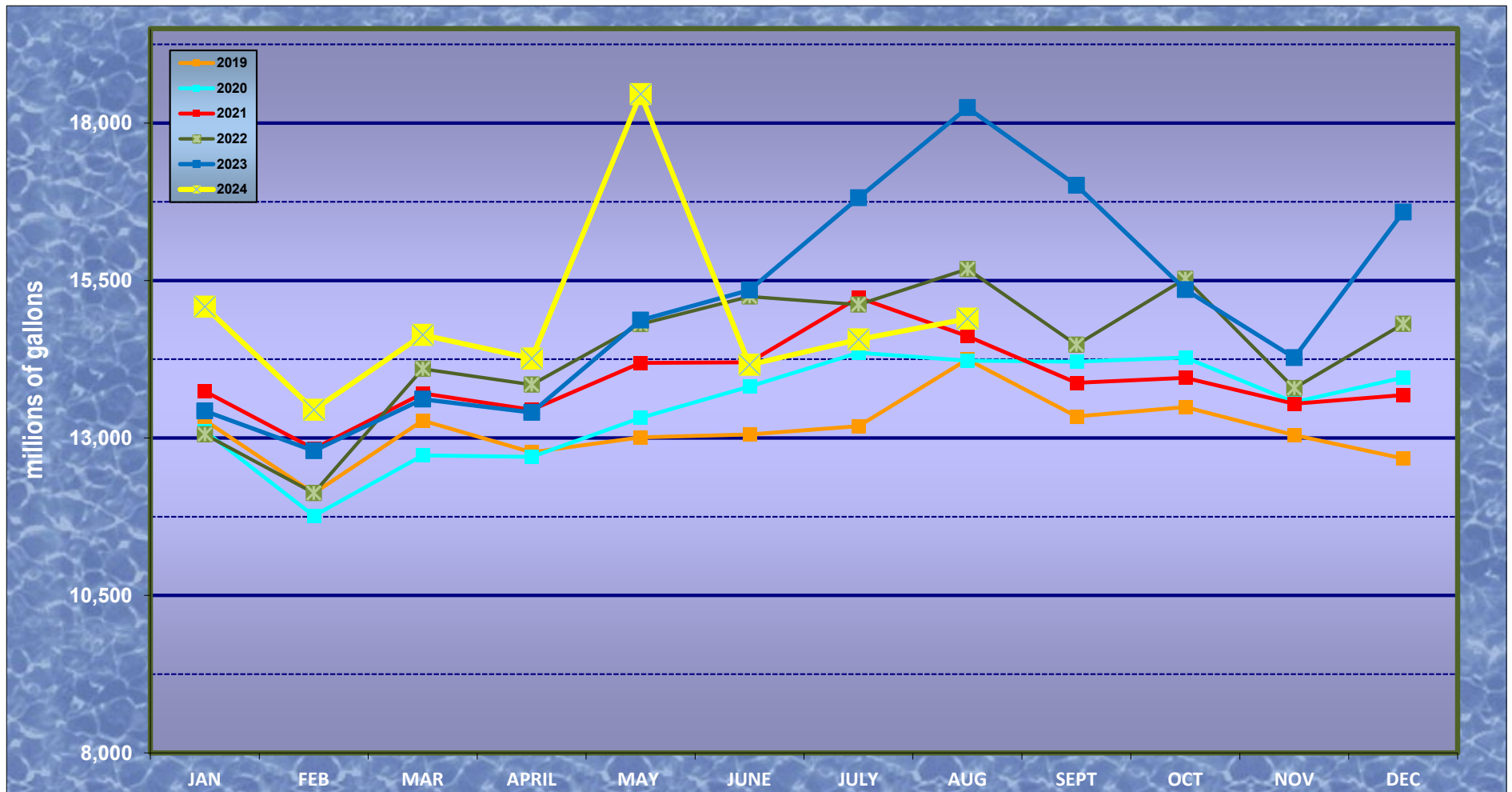
# AGED RECEIVABLES	0-30 days	31-60 days	61-90 days	91-120 days	121+ days	Unapplied Credits	TOTALS
1 Cofh GRP	\$13,626.30	\$1,319.45					\$14,945.75
2 Grease Trap Inspections	\$175.00	\$25.00					\$200.00
3 Penalty	\$4,010.75	\$9.96					\$4,020.71
4 Sewer	\$5,208.73	\$222.55					\$5,431.28
5 Water	\$19,064.43	\$82.19					\$19,146.62
<b>TOTALS</b>	<b>\$42,085.21</b>	<b>\$1,659.15</b>					<b>\$43,744.36</b>
7 OVER PAYMENTS						(\$2,906.48)	(\$2,906.48)
<b>TOTAL RECEIVABLES</b>	<b>\$42,085.21</b>	<b>\$1,659.15</b>				<b>(\$2,906.48)</b>	<b>\$40,837.88</b>

	Last Month Balance	Deposit Adjustments	Applied Deposits	Paid Deposits	Ending Balance
Deposit Summary	(\$131,616.04)	\$0.00	\$400.00	(\$325.00)	(\$131,541.04)

## North Green Municipal Utility District's Annual Water Usage By Month

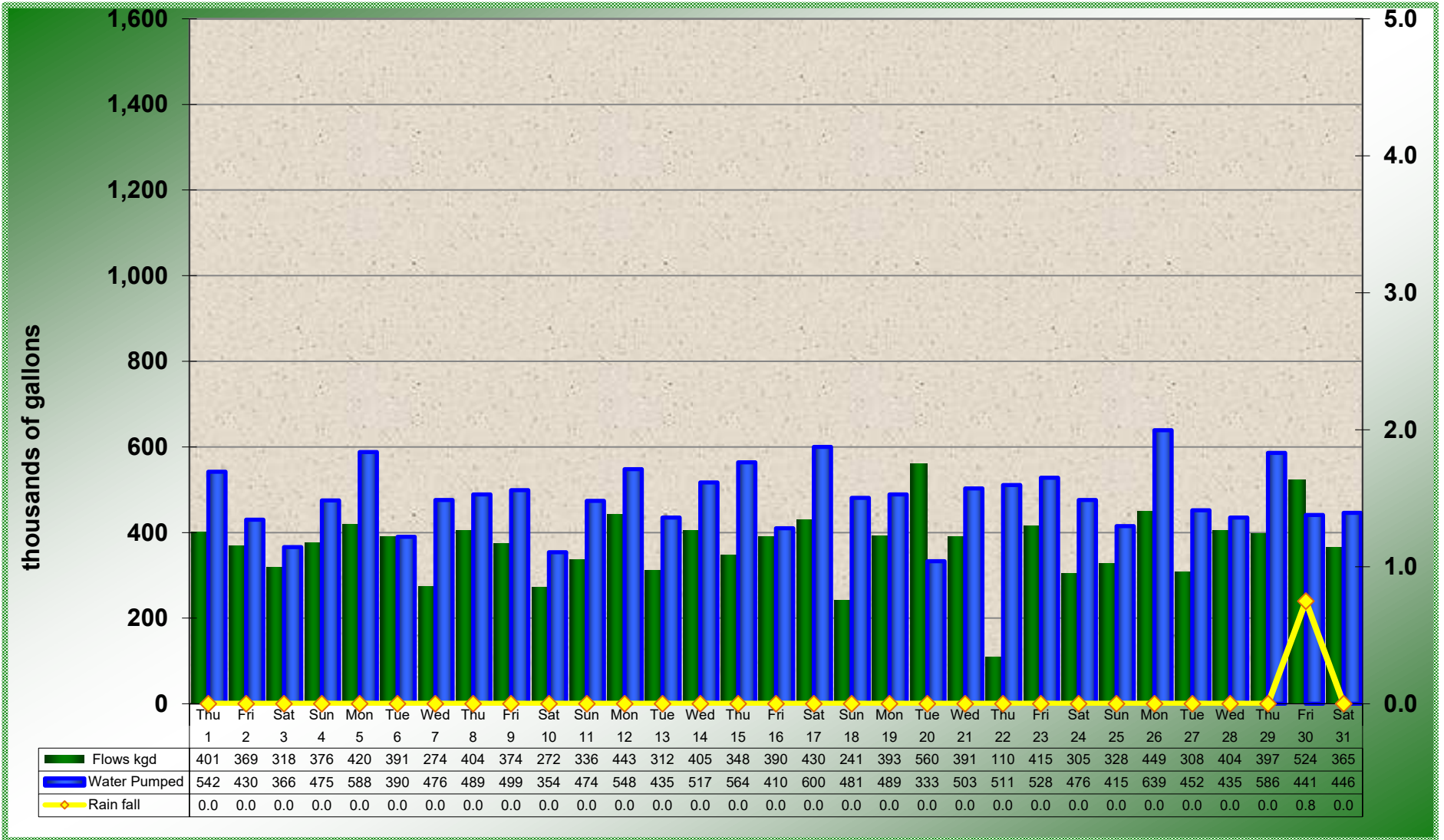
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL:	Monthly average:	Median	Highest month	Lowest month	Indoor usage	Outdoor usage	% Outdoor usage
2024	15,085	13,449	14,638	14,262	18,460	14,162	14,564	14,892					<b>119,512</b>	14,939	14,601	<b>18,460</b>	13,449	94,143	25,369	<b>21.2%</b>
2023	13,429	12,796	13,616	13,405	14,872	15,348	16,813	18,244	17,012	15,356	14,276	16,586	<b>181,753</b>	15,146	15,110	<b>18,244</b>	12,796	153,552	28,201	<b>15.5%</b>
2022	13,057	12,127	14,098	13,847	14,809	15,247	15,118	15,683	14,480	15,529	13,791	14,812	<b>172,598</b>	14,383	14,645	<b>15,683</b>	12,127	145,524	27,074	<b>15.7%</b>
2021	13,742	12,829	13,708	13,447	14,193	14,202	15,229	14,617	13,877	13,954	13,544	13,683	<b>167,025</b>	13,919	13,810	<b>15,229</b>	12,829	153,948	13,077	<b>7.8%</b>
2020	13,111	11,764	12,723	12,701	13,320	13,818	14,354	14,230	14,213	14,278	13,569	13,958	<b>162,039</b>	13,503	13,694	<b>14,354</b>	11,764	141,168	20,871	<b>12.9%</b>
2019	13,280	12,123	13,276	12,773	13,010	13,057	13,189	14,248	13,344	13,491	13,047	12,673	<b>157,511</b>	13,126	13,123	<b>14,248</b>	12,123	145,476	12,035	<b>7.6%</b>

average through the years **10.5%**



# NORTH GREEN MUD WWTP FLOW / WATER PUMPED / RAIN HISTORY

August 2024



	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
<b>total:</b>	<b>14,892</b>	<b>11,453</b>	<b>0.8</b>
<b>average:</b>	<b>480</b>	<b>369</b>	<b>0.0</b>
<b>median:</b>	<b>476</b>	<b>390</b>	<b>0.0</b>

	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
<b>maximum:</b>	<b>639</b>	<b>560</b>	<b>0.8</b>
<b>minimum:</b>	<b>333</b>	<b>110</b>	<b>0.0</b>

## North Green MUD

Invoices Billed In District's Name

August 2024

Date of Work	Billed to:	Invoice Date	Invoice Number	Amount	1st Request Mailed	2nd Request Mailed	Final Request Mailed	To Collection	Builder Deposit	Amount Paid or deducted	Check Number	Date Paid	
				No activity in August									
<b>Total</b>				\$ -						\$ -			
<b>AGE ANALYSIS</b>													
<b>Total</b>				\$ -						\$ -			

**North Green MUD**  
CHARGED OFF ACCOUNTS  
August 2024

**\*\*\*WRITE OFF ACCOUNTS\*\*\***

Account Number	.....	Balance Written Off
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No Wirte Offs

TOTAL:     \$0.00

**\*\*\* ACCOUNTS SENT TO COLLECTIONS UNLIMITED\*\*\***

Account Number	.....	Balance of Account
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No Accounts Sent to Collections

TOTAL:     \$0.00