

North Green Municipal Utility District

WATER DISTRIBUTION SYSTEM SUMMARY

October 2024

HGCSD Permit No. Pending	City of Houston GRP
Permit Period	01/01/2024 to 12/31/2024
Year to Date Pumpage	148,040,000
Monthly Pumpage	14,289,000
Cumulative Monthly Average 10 Months	14,804,000
Daily Average Pumpage	461,000
Water Accountability	Current Month 84.50 % - YTD 94.38%
Water Bacteriology	Date Taken & Results of Analyses
Number of Samples: 3	10/16/24 No Coliforms Detected
Number of Samples: 3	10/18/24 No Coliforms Detected
Number of Special Sample:	
Comments:	

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: October 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	545			545	1.4	1.2			
2	430			430	1.4	1.2			
3	503			503	1.3	1.1			
4	364			364	1.1	1.1			
5	419			419	1.3	1.1			
6	429			429	1.2	1.2			
7	527			527	1.4	1.4			
8	432			432	1.3	1.3			
9	421			421	1.3	1.3			
10	454			454	1.5	1.4			
11	621			621	1.3	1.1			
12	281			281	1.3	1.2			
13	455			455	1.4	1.2			
14	543			543	1.2	1.3			
15	427			427	1.4	1.1			
16	441			441	1.5	1.3			
17	525			525	1.2	1.2			
18	387			387	1.4	1.2			
19	370			370	1.5	1.3			
20	427			427	1.4	1.1			
21	571			571	1.4	1.1			
22	580			580	1.2	1.1			
23	354			354	1.4	1.4			
24	445			445	1.3	1.2			
25	495			495	1.5	1.3			
26	464			464	1.3	1.4			
27	535			535	1.4	1.3			
28	455			455	1.5	1.4			
29	305			305	1.4	1.3			
30	581			581	1.6	1.3			
31	503			503	1.5	1.3			
TOTAL:	14289			14289					
AVG.:	461			461	1.4	1.2			
MAX.:	621			621	1.6	1.4			
Min.:	281			281	1.1	1.1			

Calendar Year to Date

145,924	0	2,116	148,040
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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: 368 Total: 378 Chemical analysis: 12/6/2016
Dates and results of distribution bacteriological analysis: 10/16, 10/18
Dates and results of raw unchlorinated well water samples: _____
Reservoirs or tanks cleaned: as needed Dead ends flushed: 10/14/24
General remarks: _____

Submitted by: David B. Rowe
2798, 2799, & President, Water District Management
well #: 3572

(18) Certificate no.: WO 0004001

North Green MUD

HGCSD Permit Period

Water Usage Summary

Reporting Period			Year to Date Jan. - Dec.
September 15	to	October 15 2024	
Water billed	metered - billed	11,323,000	133,814,000
Temporary Service	metered - billed		0
Water leaks	estimated	150,000	3,305,200
Stuck Meters	estimated		0
	estimated		0
GST overflow NOT PLANNED	estimated	0	0
GST emptied / fill PLANNED	estimated	0	0
Flushing	estimated	68,300	433,290
	estimated		0
Sewer jetting	estimated	200	4,900
No Bill Accounts	metered - not billed	2,000	39,000
WWTP	metered - not billed	0	2,312,000
	metered - not billed		0
Water to: H.C MUD 96			0
Total water accounted for:		11,543,500	139,908,390
Water pumped:		13,661,000	146,124,000
Water from:			2,116,000
Accountability		84.50%	94.38%
Actual Billed vs. Pumped:		82.89%	90.27%

North Green Municipal Utility District

WASTEWATER TREATMENT PLANT MONTHLY OPERATING SUMMARY

October 2024

TPDES Permit No. WQ0012206-001		Permit Expires: 2-9-2028			
NPDES Permit No. 83381-001					
		Average		Maximum	Excursion
Flow:	Actual MGD	0.334		0.617	NO
	Permitted MGD	0.600	56%	0	
	Monthly Total	10.357	MG	Annual Average	0.380
CBOD₅:					
	Actual	5.9 lbs/day	2.6 Mg/L	3.7 Mg/L	NO
	Permitted	50.0 lbs/day	10.0 Mg/L	25.0 Mg/L	
TSS:					
	Actual	9.59 lbs/day	4.1 Mg/L	10.0 Mg/L	NO
	Permitted	75.0 lbs/day	15.0 Mg/L	40.0 Mg/L	
NH₃N					
	Actual	0.3 lbs/day	0.1 Mg/L	0.2 Mg/L	NO
Permitted Required Monitoring Only					
E.coli					
	Actual	1.0		1.0	NO
	Permitted	63 MPN/100ml		200 MPN/100ml	
Cl₂ Residual:					
	Actual	Minimum 1.8 Mg/L		Maximum 3.8 Mg/L	NO
	Permitted	1.0 Mg/L		4.0 Mg/L	
Biosolids Management: Magna Flow transported 63,000 gallons in October.					
Comments:					

Expand Notices

Collapse Header

Permit

Permit ID: TX0083381
Permittee: NORTH GREEN MUD
Facility: NORTH GREEN MUD WWTP
Permitted Feature: 001 - External Outfall

Major:
Permittee Address: 1301 MCKINNEY ST STE 5100
 HOUSTON, TX 77010
Facility Location: 16120 WEST HARDY RD
 HOUSTON, TX 77060
Discharge: A - DOMESTIC FACILITY - 001

Report Dates & Status

Monitoring Period: From 10/01/24 to 10/31/24
Status: **NetDMR Validated**

DMR Due Date: 11/20/24

Principal Executive Officer

First Name:
Title:

Last Name:
Telephone:

No Data Indicator (NODI)

Form NODI:

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				
00300	Oxygen, dissolved [DO]	Smpl.				= 4.3			mg/L	0	01/07	GR	
1 - Effluent Gross													
Season: 0		Req.				>= 4.0 Monthly Minimum				Milligrams per Liter		Weekly	GRAB
NODI: <input type="text"/>		NODI				<input type="text"/>							
00310	BOD, 5-day, 20 deg. C	Smpl.	= 5.88		lb/d	= 2.58	= 3.7		mg/L	0	01/07	CP	
1 - Effluent Gross													
Season: 0		Req.	<= 50.0 Daily Average			Pounds per Day	<= 10.0 Daily Average		<= 25.0 Daily Maximum	Milligrams per Liter		Weekly	COMPOS
NODI: <input type="text"/>		NODI	<input type="text"/>				<input type="text"/>		<input type="text"/>				
00400	pH	Smpl.				= 6.8		= 7.2	SU	0	02/30	GR	
1 - Effluent Gross													
Season: 0		Req.					>= 6.0 Minimum		<= 9.0 Maximum	Standard Units		Twice Per Month	GRAB
NODI: <input type="text"/>		NODI					<input type="text"/>		<input type="text"/>				
00530	Solids, total suspended	Smpl.	= 9.59		lb/d	= 4.12	= 10.0		mg/L	0	01/07	CP	
1 - Effluent Gross													
Season: 0		Req.	<= 75.0 Daily Average			Pounds per Day	<= 15.0 Daily Average		<= 40.0 Daily Maximum	Milligrams per Liter		Weekly	COMPOS
NODI: <input type="text"/>		NODI	<input type="text"/>				<input type="text"/>		<input type="text"/>				
00610	Nitrogen, ammonia total [as N]	Smpl.	= 0.317		lb/d	= 0.14	= 0.2		mg/L	0	01/07	CP	
1 - Effluent Gross													
Season: 0		Req.	Req Mon Daily Average			Pounds per Day	Req Mon Daily Average		Req Mon Daily Maximum	Milligrams per Liter		Weekly	COMPOS
NODI: <input type="text"/>		NODI	<input type="text"/>				<input type="text"/>		<input type="text"/>				

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.	= 0.334	= 0.617	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.			= 1.8		= 3.8	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"/>				
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"/>				

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: 11/07/24 9:52 CST



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: October, 2024
Customer ID: C-NOR8
Page 1 of 3

SAMPLING DATA	DATE COLLECTED	10/2/2024	10/2/2024	10/10/2024	10/10/2024	10/16/2024	10/16/2024
	DATE RECEIVED	10/2/2024	10/2/2024	10/10/2024	10/10/2024	10/16/2024	10/16/2024
	TIME COLLECTED	9:00	9:00	9:00	11:35	9:00	10:15
	SAMPLING POINT	Effluent	Effluent	Effluent	Effluent Grab	Effluent	Effluent Grab
	TYPE OF SAMPLE COLLECTED BY	Composite	Composite	Composite	Grab	Composite	Grab
	COLLECTED BY	WDM	WDM	WDM	PU	WDM	HAW
	SAMPLE NUMBER	4401076-01	4401078-01	4411948-01	4411949-01	4420940-01	4420941-01
FIELD DATA		10/2/2024	10/2/2024	10/10/2024		10/16/2024	
		10:10	9:00	13:10		10:10	
SM 4500 O G	DO (mg/L)	HAW	Clie	HAW		HAW	
		5.2		6.0		7.5	
-	Flow (MGD)	0.282	0.282	0.319		0.306	
SM 4500 H + B	pH (std unit)	6.8		7.1		7.2	

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst	0.2 10/5/2024 14:14 JMJ		0.1 10/16/2024 18:30 JMJ		0.1 10/23/2024 7:39 TMH	
CBOD 5 mg/L *A	Results Analysis Date Analyst	3.7 10/3/2024 7:00 MJP		<2.0 10/11/2024 7:15 TDS		<2.0 10/17/2024 9:15 MJP	
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst				<1 10/10/2024 16:54 HIS		2 10/16/2024 16:20 HIS
Total Phosphorus mg/L *A	Results Analysis Date Analyst		3.61 10/7/2024 16:11 TAK				
TSS mg/L *A	Results Analysis Date Analyst	10.0 10/3/2024 14:09 KRT		3.9 10/11/2024 17:39 KRT		1.5 10/17/2024 15:09 KRT	

*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: October, 2024
Customer ID: C-NOR8
Page 2 of 3

SAMPLING DATA	DATE COLLECTED	10/23/2024	10/30/2024			Method No.	
		DATE RECEIVED	DATE RECEIVED			Avg	Max #/Day
	TIME COLLECTED	9:00	9:00				
	SAMPLING POINT	Effluent	Effluent				
	TYPE OF SAMPLE	Composite	Composite				
	COLLECTED BY	WDM	WDM				
	SAMPLE NUMBER	4430903-01	4440991-01				
FIELD DATA		10/23/2024	10/30/2024				
		10:05	10:55				
		HAW	HAW				
SM 4500 O G	DO (mg/L)	4.3	4.9				
-	Flow (MGD)	0.243	0.226				
SM 4500 H + B	pH (std unit)	7.1	7.0				

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst	0.2 11/1/2024 9:27 ALC	0.1 11/4/2024 20:58 TMH			SM 4500 NH3 G 0.140 0.2 0.317
CBOD 5 mg/L *A	Results Analysis Date Analyst	3.2 10/24/2024 7:40 MJP	<2.0 10/31/2024 6:40 MJP			SM 5210 B 2.58 3.7 5.88
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst					Collifert 18 GeoMean 1
Total Phosphorus mg/L *A	Results Analysis Date Analyst					EPA 200.7 3.61 3.61 8.49
TSS mg/L *A	Results Analysis Date Analyst	3.0 10/24/2024 13:35 SEJ	2.2 10/31/2024 15:04 KRT			SM 2540 D 4.12 10 9.59

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

North Green MUD

Annual Flow Calculation

October 2024

Month & Year	Monthly Flow
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
September 2024	11.065 MG
October 2024	10.357 MG
*12 Month Flow Total	138.833 MG
**Annual Daily Average	0.380 MG

*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 : 16096 - 09/16/24 - 10/14/24 - October 2024

North Green MUD - 027

Billing was run on 10/21/24 03:53:32 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	\$66,661.79	(\$22.62)	\$0.00	\$66,639.17	\$0.00	\$0.00	(\$375.61)	(\$41,228.65)	(\$115.64)	\$24,919.27	\$32,004.58	\$56,923.85
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	\$324.61	\$0.00	\$324.61	\$0.00	\$0.00	\$0.00	\$0.00	(\$324.61)	\$0.00	\$0.00	\$0.00
Deposits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Disconnect/Reconnect Fee	\$0.00	\$400.00	\$0.00	\$400.00	\$0.00	\$0.00	\$0.00	(\$400.00)	\$0.00	\$0.00	\$0.00	\$0.00
Grease Trap Inspections	\$750.00	\$0.00	\$0.00	\$750.00	\$0.00	\$0.00	\$0.00	(\$624.00)	\$0.00	\$126.00	\$600.00	\$726.00
Inspections	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$50.00	\$25.00	\$0.00	\$75.00	\$0.00	\$0.00	\$0.00	(\$49.99)	\$0.00	\$25.01	\$0.00	\$25.01
Penalty	\$6,046.00	\$0.00	\$0.00	\$6,046.00	\$4,786.64	\$0.00	\$0.00	(\$318.60)	(\$8.23)	\$10,505.81	\$0.00	\$10,505.81
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	\$28,550.23	(\$0.90)	\$0.00	\$28,549.33	\$0.00	\$0.00	(\$289.03)	(\$18,278.89)	(\$150.99)	\$9,830.42	\$16,898.83	\$26,729.25
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$96,943.55	(\$0.45)	\$0.00	\$96,943.10	\$0.00	\$0.00	(\$1,270.68)	(\$59,251.25)	(\$57.97)	\$36,363.20	\$61,163.12	\$97,526.32
TOTALS	\$199,001.57	\$725.64	\$0.00	\$199,727.21	\$4,786.64	\$0.00	(\$1,935.32)	(\$120,151.38)	(\$657.44)	\$81,769.71	\$110,666.53	\$192,436.24
OVER PAYMENTS	(\$3,327.87)			(\$3,327.87)		\$23,585.28	\$1,935.32	(\$23,970.15)	\$257.44	(\$1,519.98)		(\$1,519.98)
TOTAL RECEIVABLES	\$195,673.70	\$725.64	\$0.00	\$196,399.34	\$4,786.64	\$23,585.28	\$0.00	(\$144,121.53)	(\$400.00)	\$80,249.73	\$110,666.53	\$190,916.26

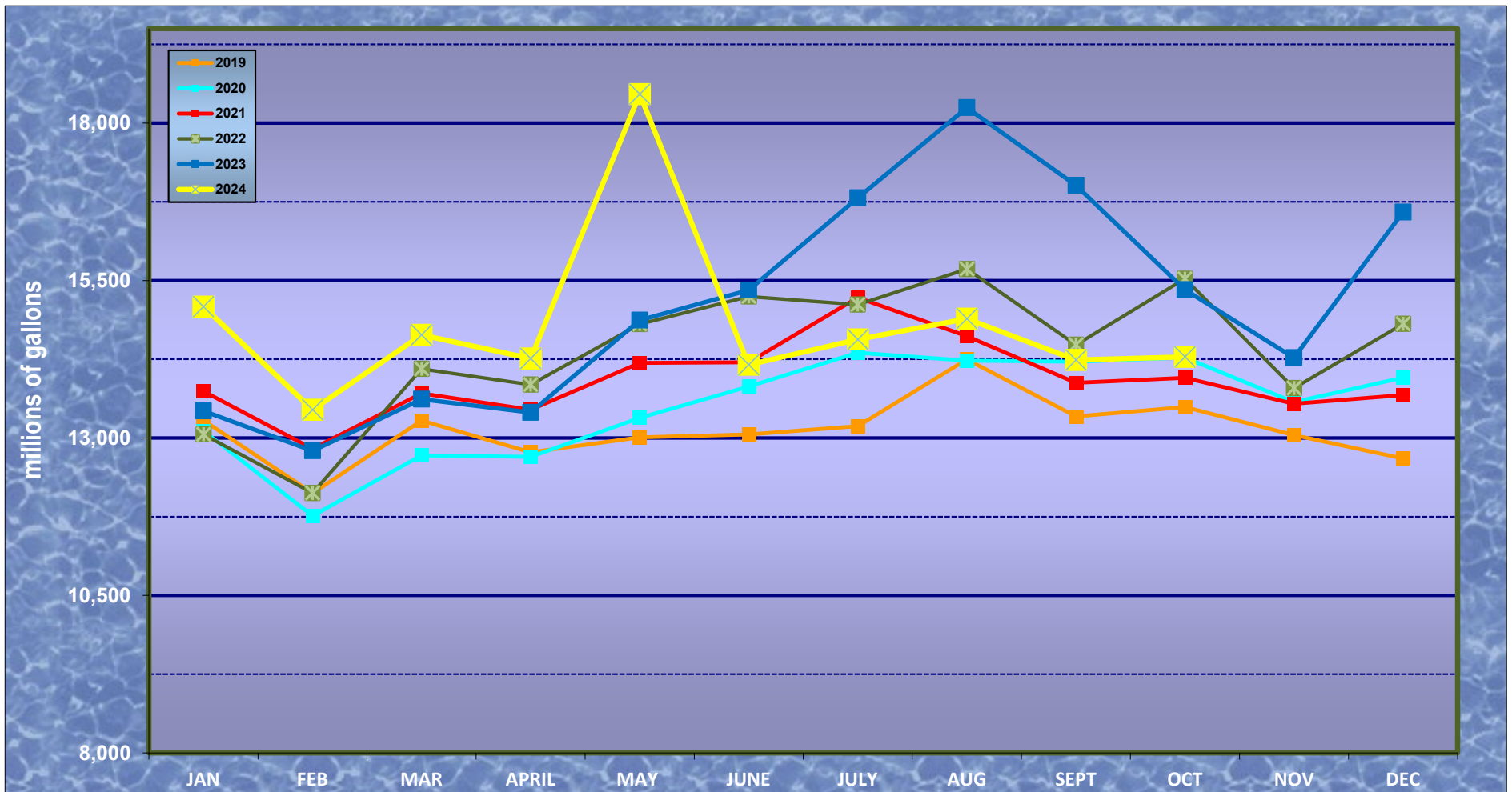
# AGED RECEIVABLES	0-30 days	31-60 days	61-90 days	91-120 days	121+ days	Unapplied Credits	TOTALS
1 Cofh GRP	\$16,696.40	\$8,221.55	\$1.32				\$24,919.27
2 Grease Trap Inspections	\$100.00	\$26.00					\$126.00
3 NSF	\$25.01						\$25.01
4 Penalty	\$8,141.89	\$2,363.92					\$10,505.81
5 Sewer	\$6,655.24	\$3,175.18					\$9,830.42
6 Water	\$24,476.77	\$11,886.43					\$36,363.20
TOTALS	\$56,095.31	\$25,673.08	\$1.32				\$81,769.71
8 OVER PAYMENTS						(\$1,519.98)	(\$1,519.98)
TOTAL RECEIVABLES	\$56,095.31	\$25,673.08	\$1.32			(\$1,519.98)	\$80,249.73

	Last Month Balance	Deposit Adjustments	Applied Deposits	Paid Deposits	Ending Balance
Deposit Summary	(\$131,941.04)	\$0.00	\$400.00	\$0.00	(\$131,541.04)

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

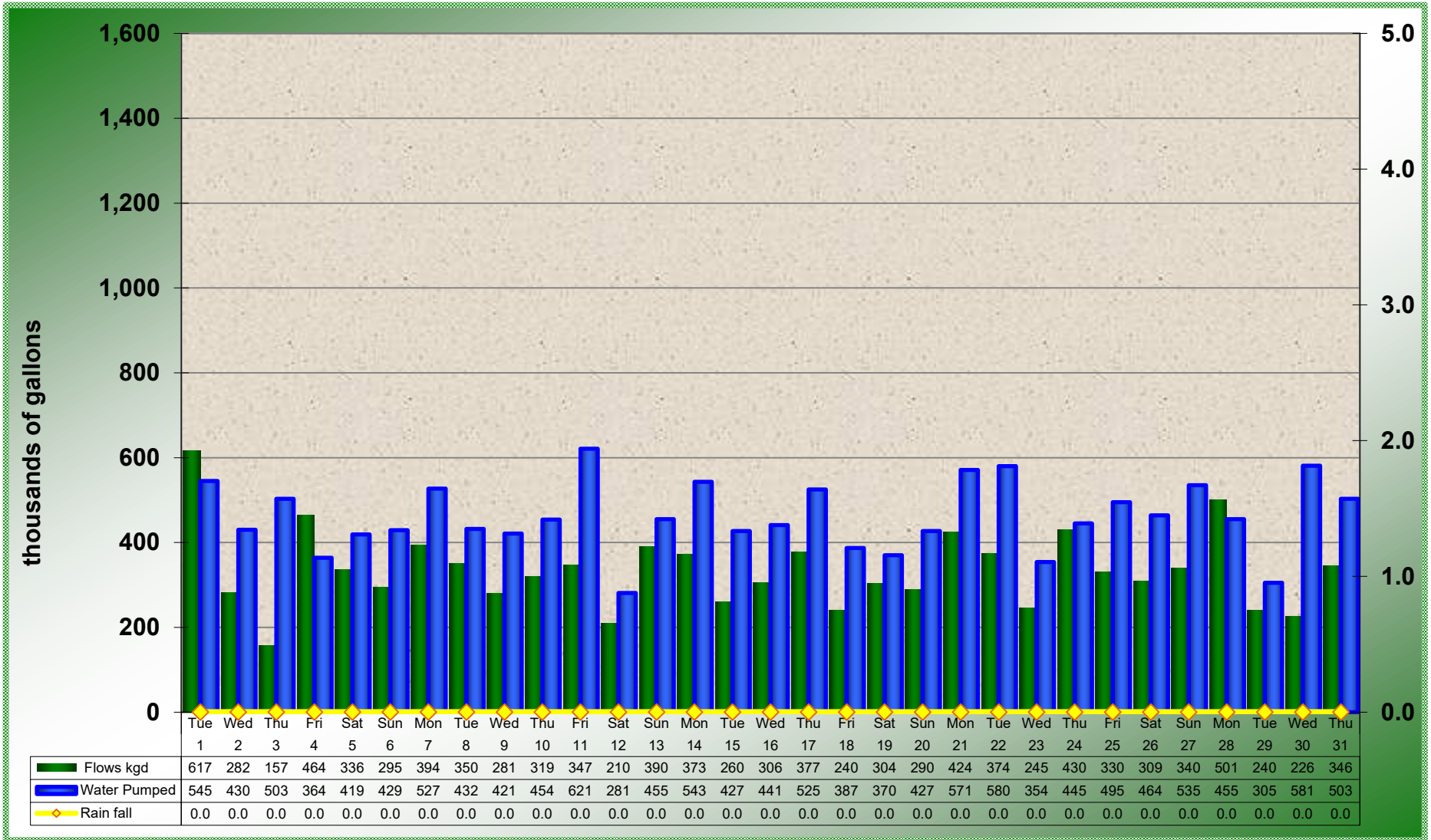
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL:	Monthly average:	Median	Highest month	Lowest month	Indoor usage	Outdoor usage	% Outdoor usage
2024	15,085	13,449	14,638	14,262	18,460	14,162	14,564	14,892	14,239	14,289			148,040	14,804	14,427	18,460	13,449	134,490	13,550	9.2%
2023	13,429	12,796	13,616	13,405	14,872	15,348	16,813	18,244	17,012	15,356	14,276	16,586	181,753	15,146	15,110	18,244	12,796	153,552	28,201	15.5%
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	172,598	14,383	14,645	15,683	12,127	145,524	27,074	15.7%
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	167,025	13,919	13,810	15,229	12,829	153,948	13,077	7.8%
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	162,039	13,503	13,694	14,354	11,764	141,168	20,871	12.9%
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	157,511	13,126	13,123	14,248	12,123	145,476	12,035	7.6%

average through the years **10.5%**



NORTH GREEN MUD WWTP FLOW / WATER PUMPED / RAIN HISTORY

October 2024



	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
total:	14,289	10,357	0.0
average:	461	334	0.0
median:	454	330	0.0

	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
maximum:	621	617	0.0
minimum:	281	157	0.0

North Green MUD
CHARGED OFF ACCOUNTS
October 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