

North Green Municipal Utility District

WATER DISTRIBUTION SYSTEM SUMMARY

May 2024

HGCSD Permit No. Pending	City of Houston GRP
Permit Period	01/01/2024 to 12/31/2024
Year to Date Pumpage	75,894,000
Monthly Pumpage	18,460,000
Cumulative Monthly Average 5 Months	15,178,800
Daily Average Pumpage	595,000
Water Accountability	Current Month 87.08 % - YTD 95.16%
Water Bacteriology	Date Taken & Results of Analyses
Number of Samples: 3	5/14/24 No Coliforms Detected
Number of Samples: 3	5/20/24 No Coliforms Detected
Number of Special Sample:	
<p>Comments: COH I/C was found on by operator on 5/10/24, 101,000 gallons. COH I/C was opened on 05/18/24 to 5/19/24 due to widespread power outage, usage was 256,00 gallons. EBS form was submitted on 5/29/2024.</p>	

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: May 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	553			553	1.2	1.0			
2	383			383	1.4	1.2			
3	564			564	1.4	1.5			
4	597			597	1.1	1.3			
5	485			485	1.3	1.3			
6	387			387	1.4	1.4			
7	366			366	1.5	1.6			
8	1024			1024	1.2	1.7			
9	1329			1329	1.5	1.5			
10	676		101	777	1.5	1.4			
11	1244			1244	1.5	1.4			
12	684			684	1.6	1.4			
13	1058			1058	1.7	1.4			
14	454			454	1.4	1.5			
15	505			505	1.7	1.6			
16	378			378	1.5	1.5			
17	176			176	1.6	1.2			
18	789		128	917	1.6	1.3			
19			128	128	2.5	2.3			
20	572			572	2.5	2.7			
21	521			521	2.0	2.0			
22	512			512	1.8	1.8			
23	529			529	1.9	2.0			
24	496			496	1.5	1.4			
25	504			504	1.3	1.4			
26	363			363	1.4	1.5			
27	669			669	1.4	1.3			
28	643			643	1.5	1.4			
29	797			797	1.6	1.6			
30	327			327	1.6	1.6			
31	518			518	1.5	1.6			
TOTAL:	18103		357	18460					
AVG.:	603		119	595	1.6	1.5			
MAX.:	1329		128	1329	2.5	2.7			
Min.:	176		101	128	1.1	1.0			

Calendar Year to Date	75,537	0	357	75,894	0	# below	in disinfectant	0.2
					0.0%	% below	minimum disinfectant	
					0	# =	0	sample days
					0.0%	% of 0s	# of samples	31.0

No. of active water services: 364 Total: 377 Chemical analysis: 12/6/2016
Dates and results of distribution bacteriological analysis: 5/14, 5/20/2024
Dates and results of raw unchlorinated well water samples: _____
Reservoirs or tanks cleaned: as needed Dead ends flushed: 5/10/2024
General remarks: COH I/C was found on by operator on 5/10/24, 101,000 gallons.
COH I/C was opened on 05/18/24 to 5/19/24 due to widespread power outage, usage was 256,00 gallons. EBS form was submitted on 5/29/2024.
Submitted by: David B. Rowe (18) Certificate no.: WO 0004001

North Green MUD

HGCSD Permit Period

Water Usage Summary

Reporting Period			Year to Date
April 13	to	May 13 2024	Jan. - Dec.
Water billed	metered - billed	15,139,000	66,416,000
Temporary Service	metered - billed		0
Water leaks	estimated	60,000	3,080,200
Stuck Meters	estimated		0
	estimated		0
GST overflow NOT PLANNED	estimated		0
GST emptied / fill PLANNED	estimated		0
Flushing	estimated	19,360	222,320
	estimated		0
Sewer jetting	estimated	200	1,900
No Bill Accounts	metered - not billed	7,000	25,000
WWTP	metered - not billed	293,000	1,576,000
	metered - not billed		0
Water to:			0
Total water accounted for:		15,518,560	71,321,420
Water pumped:		17,721,000	74,851,000
Water from:		101,000	101,000
Accountability		87.08%	95.16%
Actual Billed vs. Pumped:		84.95%	88.61%

North Green Municipal Utility District

WASTEWATER TREATMENT PLANT MONTHLY OPERATING SUMMARY

May 2024

TPDES Permit No. WQ0012206-001		Permit Expires: 2-9-2028			
NPDES Permit No. 83381-001					
		Average		Maximum	Excursion
Flow:	Actual MGD	0.487		0.850	NO
	Permitted MGD	0.600	81%	0	
	Monthly Total	15.084	MG	Annual Average	0.377
CBOD₅:					
	Actual	10.1 lbs/day	2.40 Mg/L	3.0 Mg/L	NO
	Permitted	50.0 lbs/day	10.0 Mg/L	25.0 Mg/L	
TSS:					
	Actual	15.1 lbs/day	3.52 Mg/L	4.2 Mg/L	NO
	Permitted	75.0 lbs/day	15.0 Mg/L	40.0 Mg/L	
NH₃N					
	Actual	0.42 lbs/day	0.1 Mg/L	0.1 Mg/L	NO
Permitted Required Monitoring Only					
E.coli					
	Actual	1.0		2.0	NO
	Permitted	63 MPN/100ml		200 MPN/100ml	
Cl₂ Residual:					
	Actual	Minimum 1.9 Mg/L		Maximum 3.6 Mg/L	NO
	Permitted	1.0 Mg/L		4.0 Mg/L	
Biosolids Management: None in May.					
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			
00610	Nitrogen, ammonia total [as N]		= 0.42		lb/d	= 0.1	= 0.1	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:		NODI									
50050	Flow, in conduit or thru treatment plant		= 0.487	= 0.85	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:		NODI									
50060	Chlorine, total residual					= 1.9	= 3.6	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:		NODI									
51040	E. coli					= 1.0	= 2.0	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:		NODI									

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: EASTEXSDMR
 Name: Daniel Bowen
 E-Mail: dbowen@eastexlabs.com
 Date/Time: 06/07/24 5:07 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

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

FINAL REPORT

SAMPLING DATA	DATE COLLECTED	5/3/2024	5/3/2024	5/8/2024	5/8/2024	5/15/2024	5/22/2024
	DATE RECEIVED	5/3/2024	5/3/2024	5/8/2024	5/8/2024	5/15/2024	5/22/2024
	TIME COLLECTED	9:00	9:00	9:00	9:30	9:00	9:00
	SAMPLING POINT	Effluent	Effluent	Effluent	Effluent Grab	Effluent	Effluent
	TYPE OF SAMPLE COLLECTED BY	Composite	Composite	Composite	Grab	Composite	Composite
	COLLECTED BY	WDM	WDM	WDM	OMR	WDM	WDM
	SAMPLE NUMBER	C4E1323-01	C4E1325-01	C4E2248-01	C4E2249-01	C4E4534-01	C4E6333-01
FIELD DATA		5/3/2024	5/3/2024	5/8/2024		5/15/2024	5/22/2024
		9:25	9:00	9:19		9:10	14:11
		DMP	Cie	OMR		OMR	VLH
SM 4500 O G	DO (mg/L)	6.2		4.9		4.8	6.4
-	Flow (MGD)	0.75	0.75	0.39		0.5	0.45
SM 4500 H + B	pH (std unit)	7.2		7.1		7.0	7.4

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst	<0.1 5/13/2024 11:09 CNS		<0.1 5/14/2024 13:41 CNS		<0.1 5/16/2024 18:11 CNS	<0.1 5/23/2024 16:51 TDS
CBOD 5 mg/L *A	Results Analysis Date Analyst	2.6 5/3/2024 17:50 MSK		3.0 5/9/2024 7:32 MJP		<2.0 5/16/2024 7:45 MSK	2.4 5/23/2024 7:31 MJP
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst				<1 5/8/2024 15:05 HIS		
Total Phosphorus mg/L *A	Results Analysis Date Analyst		0.713 5/10/2024 15:20 KJH				
TSS mg/L *A	Results Analysis Date Analyst	4.2 5/7/2024 12:10 KRT		4.0 5/9/2024 14:14 KRT		3.0 5/16/2024 12:36 SEJ	3.8 5/23/2024 12:44 SEJ

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

SAMPLING DATA	DATE COLLECTED	5/22/2024	5/29/2024	DATE RECEIVED	5/22/2024	5/29/2024	TIME COLLECTED	14:12	9:00	SAMPLING POINT	Effluent Grab	Effluent	Method No.	
													Avg	Max #/Day
											Grab	Composite		
											VLH	WDM		
											C4E6334-01	C4E7713-01		
FIELD DATA														
SM 4500 O G	DO (mg/L)						5/29/2024	10:30						
	Flow (MGD)							OMR						
								5.1						
SM 4500 H + B	pH (std unit)							0.427						
								6.8						

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst		<0.1 6/4/2024 17:55 TDS			SM 4500 NH3 G 0.100	0.1 0.420
CBOD 5 mg/L *A	Results Analysis Date Analyst		<2.0 5/30/2024 8:00 MJP			SM 5210 B 2.40	3 10.1
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst	2 5/22/2024 18:20 HIS				Colilert 18 GeoMean 1	
Total Phosphorus mg/L *A	Results Analysis Date Analyst					EPA 200.7 0.713	0.713 4.46
TSS mg/L *A	Results Analysis Date Analyst		2.6 5/30/2024 13:20 KRT			SM 2540 D 3.52	4.2 15.1

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

North Green MUD

Annual Flow Calculation

May 2024

Month & Year	Monthly Flow
June 2023	11.169 MG
July 2023	11.930 MG
August 2023	11.448 MG
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
*12 Month Flow Total	137.687 MG
**Annual Daily Average	0.377 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 : 8025 - 04/14/24 - 05/13/24 - May 2024

North Green MUD - 027

Billing was run on 05/24/24 07:20:32 AM

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	\$125.00	\$0.00	\$125.00	\$0.00	\$0.00	\$0.00		\$0.00	\$125.00	\$0.00	\$125.00
Cofh GRP	\$32,546.02	\$3,524.52	(\$104.71)	\$35,965.83	\$0.00	\$0.00	(\$81.29)	(\$34,498.28)	(\$5.52)	\$1,380.74	\$41,778.12	\$43,158.86
Collections	\$0.00	(\$293.78)	\$293.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Credit Refund	\$0.00	\$871.44	\$0.00	\$871.44	\$0.00	\$0.00	(\$6.01)	\$0.00	(\$865.43)	\$0.00	\$0.00	\$0.00
Deposits	\$200.00	\$600.00	\$0.00	\$800.00	\$0.00	\$0.00	\$0.00	(\$800.00)	\$0.00	\$0.00	\$0.00	\$0.00
Disconnect/Reconnect Fee	\$99.75	\$100.00	(\$99.75)	\$100.00	\$0.00	\$0.00	\$0.00	(\$100.00)	\$0.00	\$0.00	\$0.00	\$0.00
Grease Trap Inspections	\$600.00	\$25.00	\$0.00	\$625.00	\$0.00	\$0.00	\$0.00	(\$520.54)	\$0.00	\$104.46	\$575.00	\$679.46
Inspections	\$0.00	\$190.00	\$0.00	\$190.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$190.00	\$0.00	\$190.00
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	\$50.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	(\$50.00)	\$0.00	\$50.00	\$0.00	\$50.00
Penalty	\$339.72	\$0.00	(\$20.42)	\$319.30	\$192.91	\$0.00	\$0.00	(\$261.56)	\$0.00	\$250.65	\$0.00	\$250.65
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	\$16,091.11	\$1,165.68	(\$41.40)	\$17,215.39	\$0.00	\$0.00	(\$269.92)	(\$16,069.77)	(\$20.70)	\$855.00	\$16,249.96	\$17,104.96
Tap Fee	\$0.00	\$26,528.50	\$0.00	\$26,528.50	\$0.00	\$0.00	\$0.00		\$0.00	\$26,528.50	\$0.00	\$26,528.50
Transfer Fee	\$25.00	\$75.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	(\$100.00)	\$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	\$52,645.29	\$18.35	(\$27.50)	\$52,636.14	\$0.00	\$0.00	(\$149.57)	(\$52,099.86)	(\$8.30)	\$378.41	\$52,939.62	\$53,318.03
TOTALS	\$102,596.89	\$32,979.71	\$0.00	\$135,576.60	\$192.91	\$0.00	(\$506.79)	(\$104,500.01)	(\$899.95)	\$29,862.76	\$111,542.70	\$141,405.46
OVER PAYMENTS	(\$2,502.02)			(\$2,502.02)		\$130.24	\$506.79	(\$932.68)	\$299.95	(\$2,497.72)		(\$2,497.72)
TOTAL RECEIVABLES	\$100,094.87	\$32,979.71	\$0.00	\$133,074.58	\$192.91	\$130.24	\$0.00	(\$105,432.69)	(\$600.00)	\$27,365.04	\$111,542.70	\$138,907.74

FIN178 - Recap Report

Billing : 8025 - 04/14/24 - 05/13/24 - May 2024

Billing was run on 05/24/24 07:20:32 AM

Report By: G/L Account

Water District Management

North Green MUD - 027

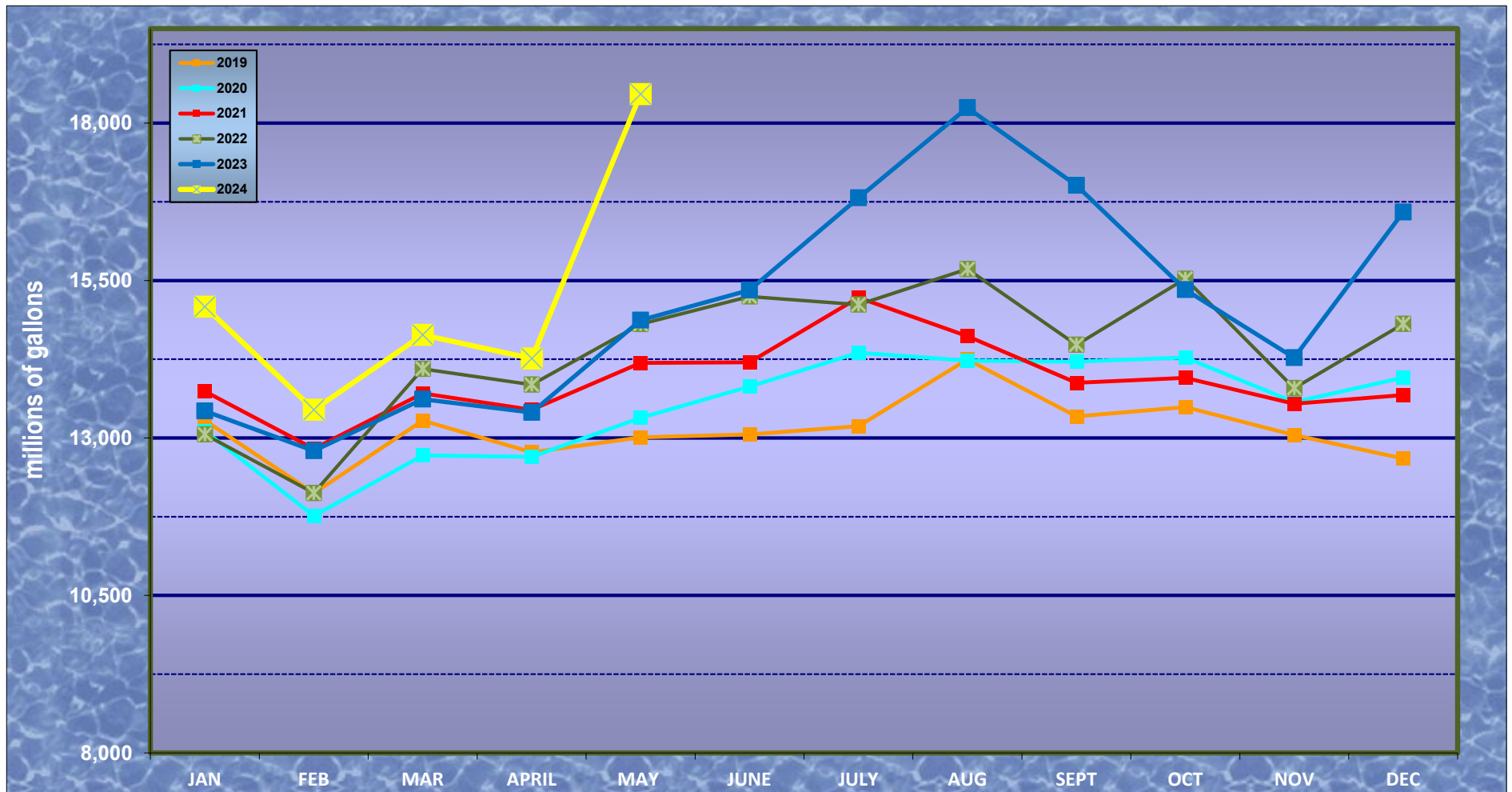
# AGED RECEIVABLES	0-30 days	31-60 days	61-90 days	91-120 days	121+ days	Unapplied Credits	TOTALS
1 Backflow Inspection	\$125.00						\$125.00
2 Cofh GRP	\$1,266.84	\$113.90					\$1,380.74
3 Grease Trap Inspections	\$79.46	\$25.00					\$104.46
4 Inspections	\$190.00						\$190.00
5 NSF	\$50.00						\$50.00
6 Penalty	\$250.65						\$250.65
7 Sewer	\$792.90	\$62.10					\$855.00
8 Tap Fee	\$26,528.50						\$26,528.50
9 Water	\$351.26	\$27.15					\$378.41
TOTALS	\$29,634.61	\$228.15					\$29,862.76
11 OVER PAYMENTS						(\$2,497.72)	(\$2,497.72)
TOTAL RECEIVABLES	\$29,634.61	\$228.15				(\$2,497.72)	\$27,365.04

	Last Month Balance	Deposit Adjustments	Applied Deposits	Paid Deposits	Ending Balance
Deposit Summary	(\$130,541.04)	\$0.00	\$600.00	(\$800.00)	(\$130,741.04)

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

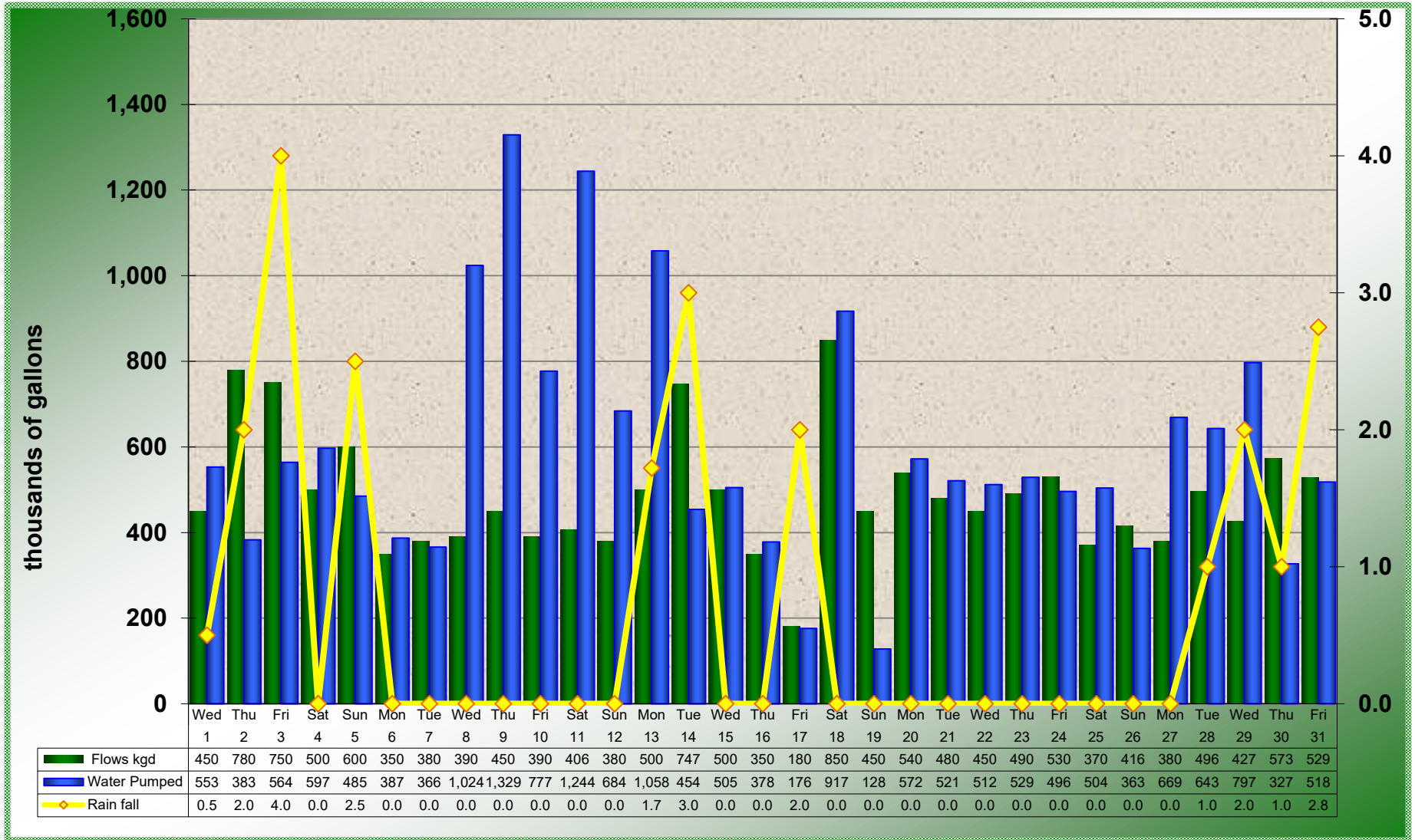
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL:	Monthly average:	Median	Highest month	Lowest month	Indoor usage	Outdoor usage	% Outdoor usage
2024	15,085	13,449	14,638	14,262	18,460								75,894	15,179	14,638	18,460	13,449	67,245	8,649	11.4%
2023	13,429	12,796	13,616	13,405	14,872	15,348	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

May 2024



	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
total:	18,460	15,084	22.5
average:	595	487	0.7
median:	521	450	0.0

	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
maximum:	1,329	850	4.0
minimum:	128	180	0.0

North Green MUD
CHARGED OFF ACCOUNTS
May 2024

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

Account Number	Balance Written Off
No Write Offs		

TOTAL: \$0.00

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

Account Number	Balance of Account
No Accounts Sent to Collections		

TOTAL: \$0.00