

# NORTH BEACH WATER DISTRICT

## GENERAL MANAGERS REPORT

April Meeting - 2024

### Well Field Output

<u>March 1, 2024</u>	to	<u>March 31, 2024</u>	NWF Master Meter:	<u>8.8119</u>	mg
			SWF Master Meter:	<u>0.0000</u>	mg
			<b>Total Pumped to Plant:</b>	<b><u>8.8119</u></b>	<b>MG</b>

### Water Plant Production

<u>February 1, 2024</u>	to	<u>February 29, 2024</u>	NWF Master Meter:	<u>7.8779</u>	mg
			SWF Master Meter:	<u>0.0000</u>	mg
			Accounted for Water:	<u>1.6897</u>	MG
			<b>Total Water Pumped:</b>	<b><u>7.8779</u></b>	<b>MG</b>

### Metering Period

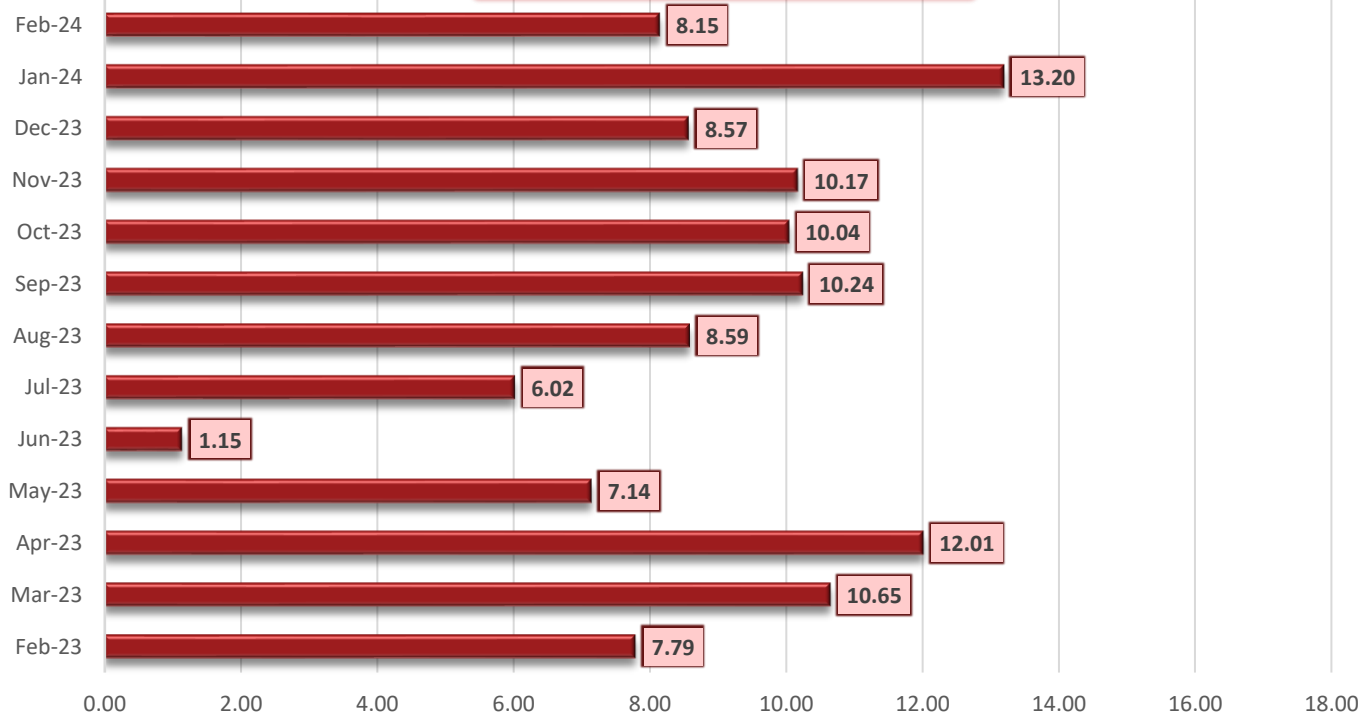
<u>February 1, 2024</u>	to	<u>February 29, 2024</u>	<b>Total Water Sold :</b>	<b><u>5.6840</u></b>	<b>MG</b>
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### February's Accounted for Water:

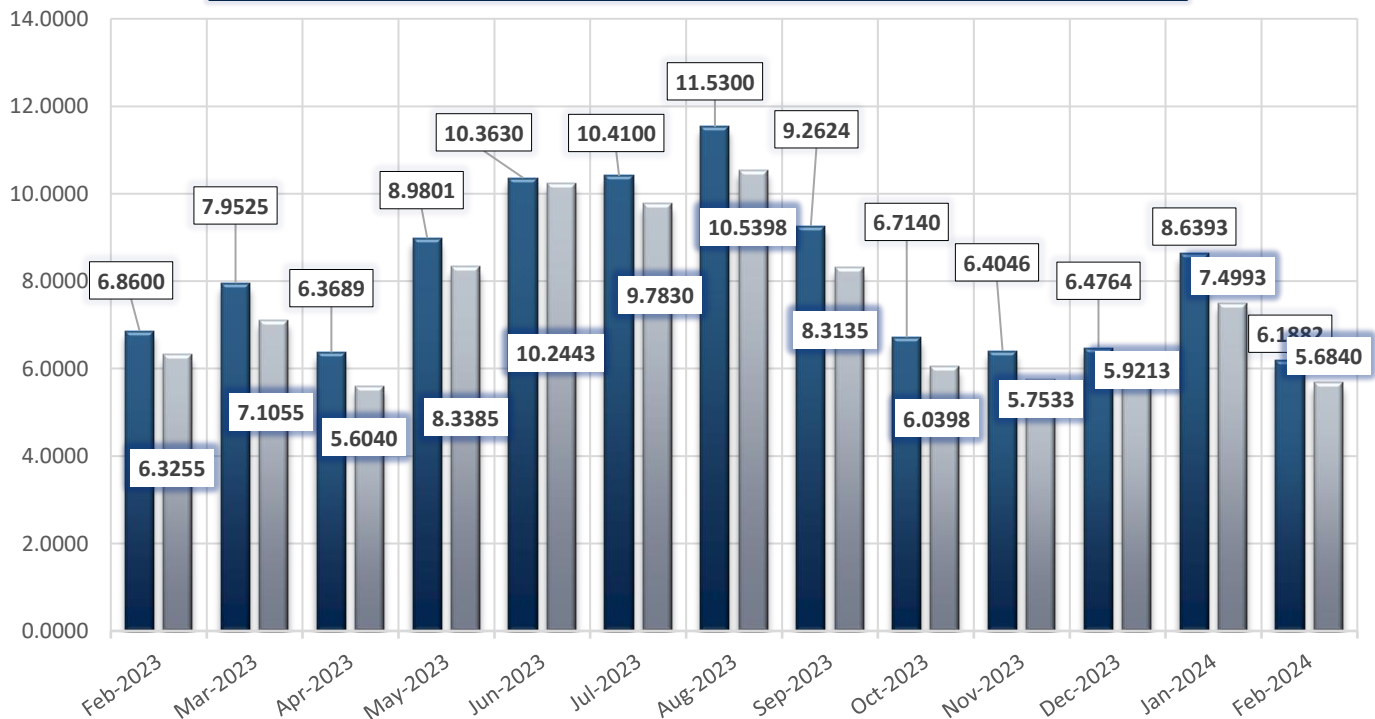
	NWF Backwash :	<u>0.4005</u>	mg
	SWF Backwash :	<u>0.0000</u>	mg
Distribution Flushing, Fire Dept, Pac Co & Waterline Leak Repair's:		<u>1.1994</u>	mg
	NBWD use NWF & SWF:	<u>0.0898</u>	mg
	<b>Total Accounted for Water:</b>	<b><u>1.6897</u></b>	<b>MG</b>

	Total Water Treated :	<u>7.8779</u>	MG
	Accounted for Water Used :	<u>1.6897</u>	MG
	Water Sent to Distribution :	<u>6.1882</u>	MG
	Water Sold :	<u>5.6840</u>	MG
	Distribution Leakage :	<u>0.5042</u>	MG
	<b>Percent of Unaccounted for Water :</b>	<b>8.15</b>	<b>%</b>

### DSL - Percentage of Lost Water



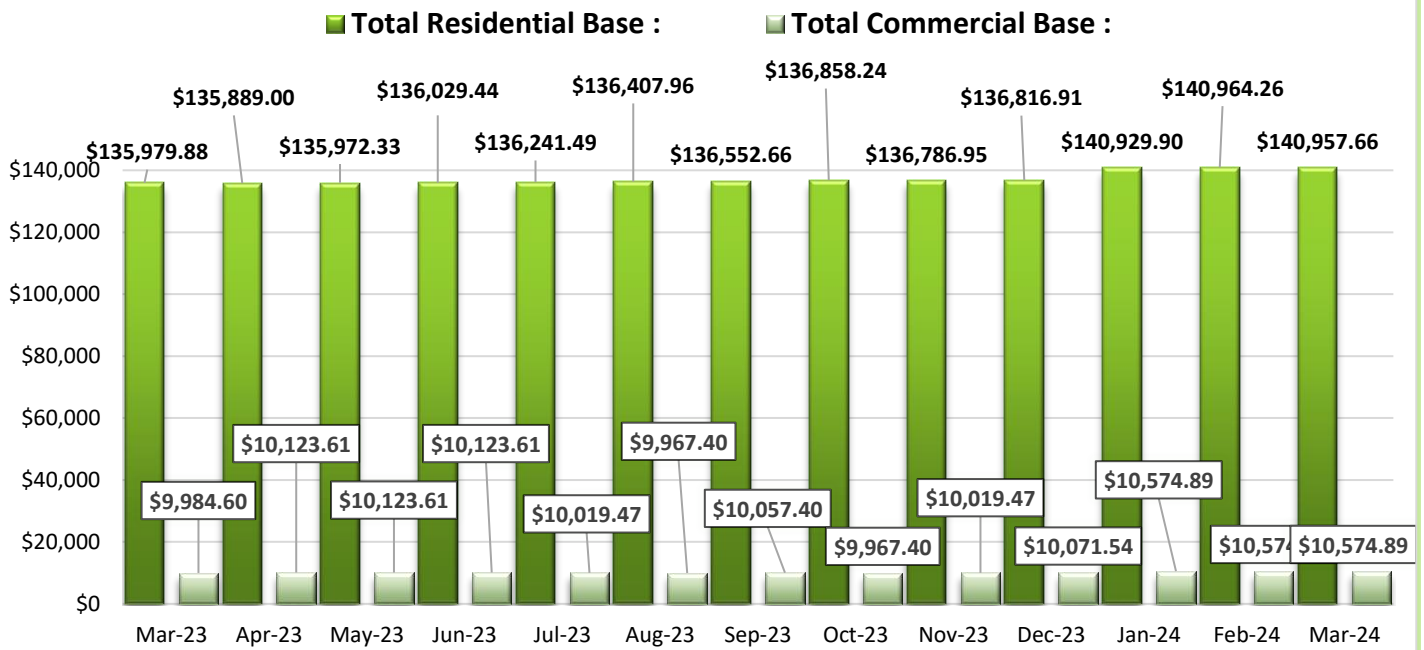
### Water sent to Distribution MG vs Total sold MG



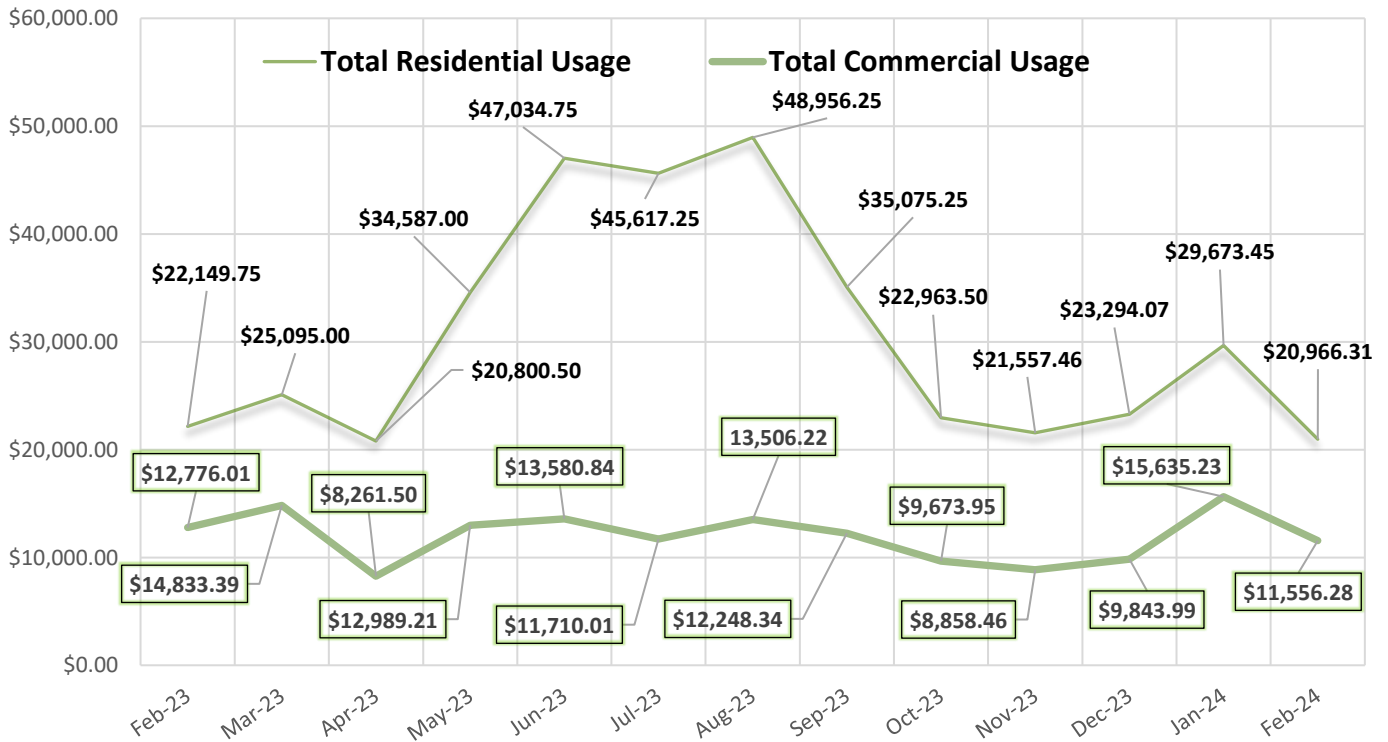
Data Period	March 1 -31, 2024		Booster System Data	
	North Wellfield Booster High GPM :	745		<i>gpm</i>
	North Wellfield Booster Average GPM :	182		<i>gpm</i>
	North Wellfield High psi:	61		<i>psi</i>
	North Wellfield Average psi:	56		<i>psi</i>
	Total MG Booster pumped to Distribution at NWF:	8.1159		<i>MG</i>
	Total MG Booster pumped to Distribution at SWF:	3.9911		<i>MG</i>
	Total Booster Pumped to Distribution :	12.1070		<i>MG</i>
	South Wellfield Booster High gpm:	128		<i>gpm</i>
	South Wellfield Booster Average gpm:	93		<i>gpm</i>
	South Wellfield Booster High psi:	65		<i>psi</i>
	South Wellfield Booster Average psi:	57		<i>psi</i>
	245th Distribution Pressure Readings :			
	Highest	63		<i>psi</i>
	Lowest	45		<i>psi</i>
	Average	57		<i>psi</i>

Data Period			Accounts Data		
March 1 -31, 2024			Residential Base	\$140,957.66	\$
February 1 - 29, 2024			Residential Usage	\$20,966.31	\$
March 1 -31, 2024			Commercial Base	\$10,574.89	\$
February 1 - 29, 2024			Commercial Usage	\$11,556.28	\$
Residential Accounts	2,781	ea	Fire Flow Rate	\$1,346.65	\$
Commercial Accounts	100	ea	Backflow Assembly Rate	\$562.70	\$
Fire Flow Accounts	4	ea	Other Fees & Charges	\$4,712.24	\$
Backflow Accounts	41	ea	Total:	\$190,676.73	\$

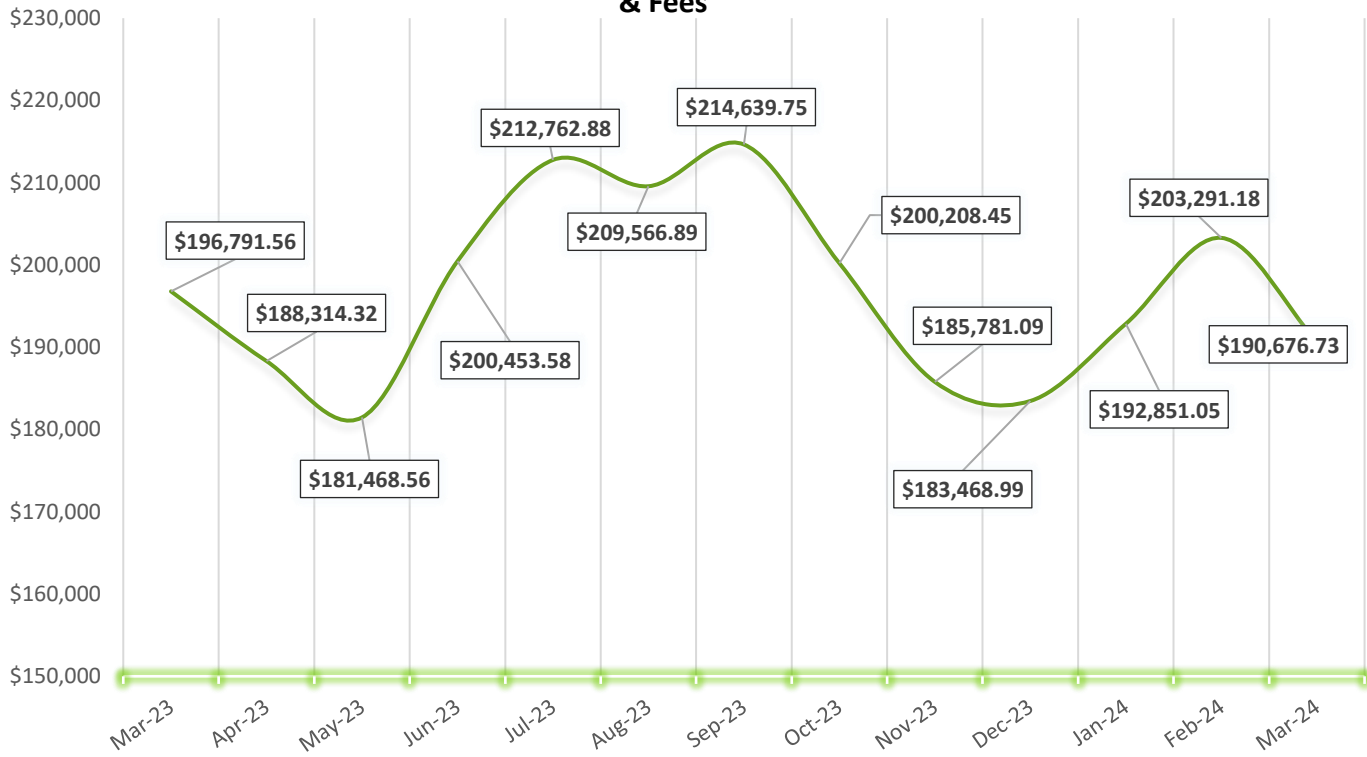
## Residential & Commercial Base



## Residential & Commercial Usage

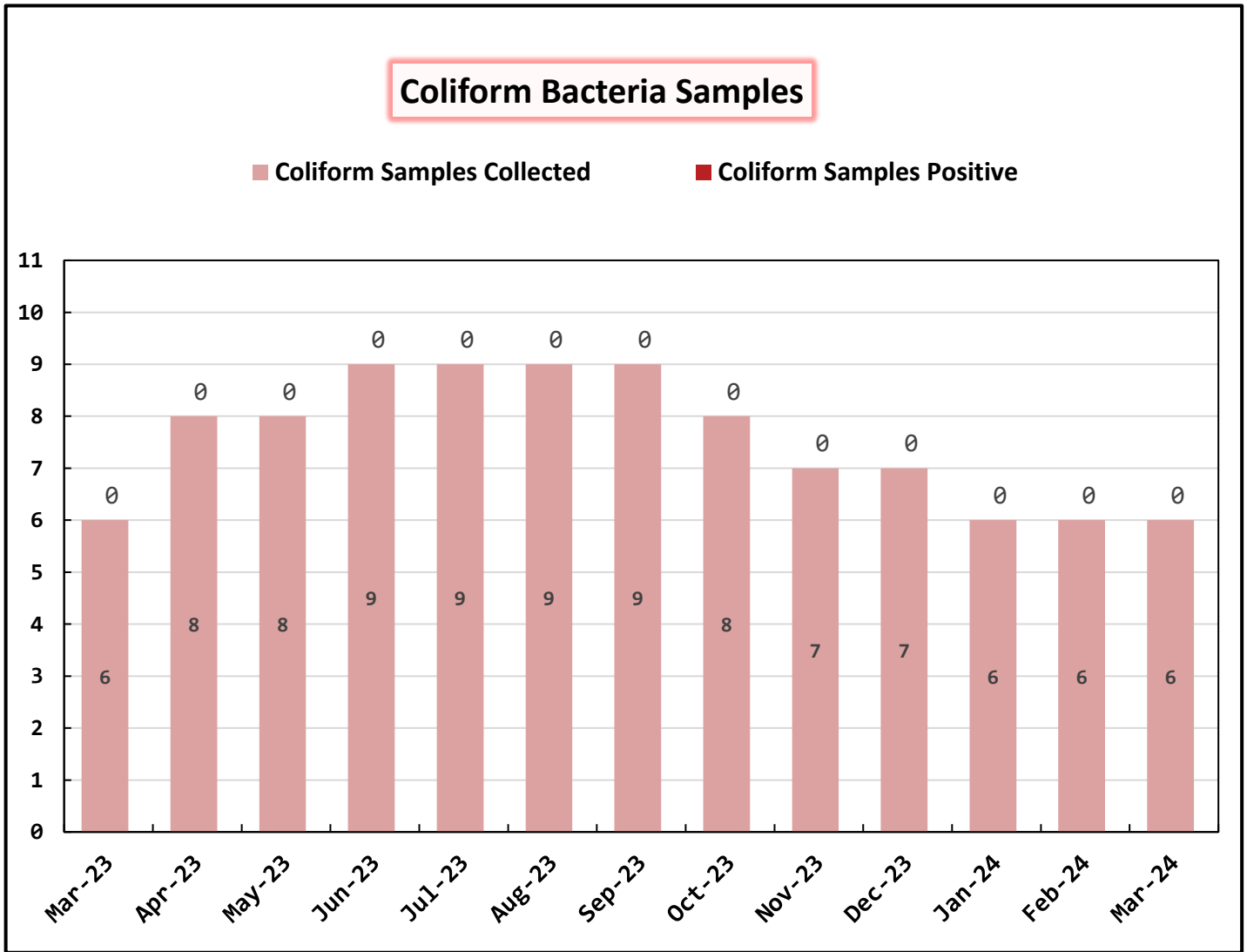


### Backflow, Residential & Commercial Base & Usage, Fireflow, & Fees

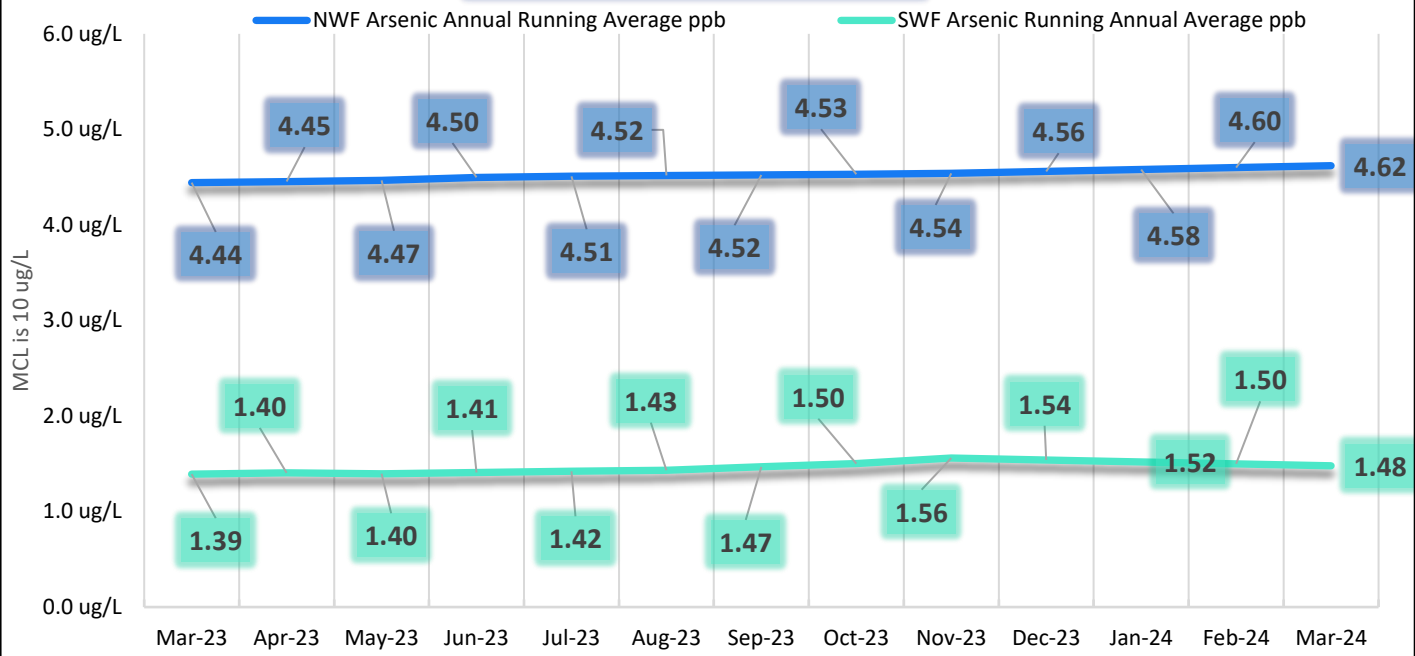


Data Period	March 1 -31, 2024	Operations Data	
		Past Due Accounts	256 <i>ea</i>
		Properties with Liens	22 <i>ea</i>
		Accounts Locked Off	3 <i>ea</i>
		Water Main Locates	21 <i>ea</i>
		Water Quality Complaints	1 <i>ea</i>
		Customer Service Calls	38 <i>ea</i>
		Customer Valves Installed	3 <i>ea</i>
		New Services Installed	3 <i>ea</i>
		NBWD Office & Grounds Water Use:	<u><u>0.0898</u></u> <i>MG</i>

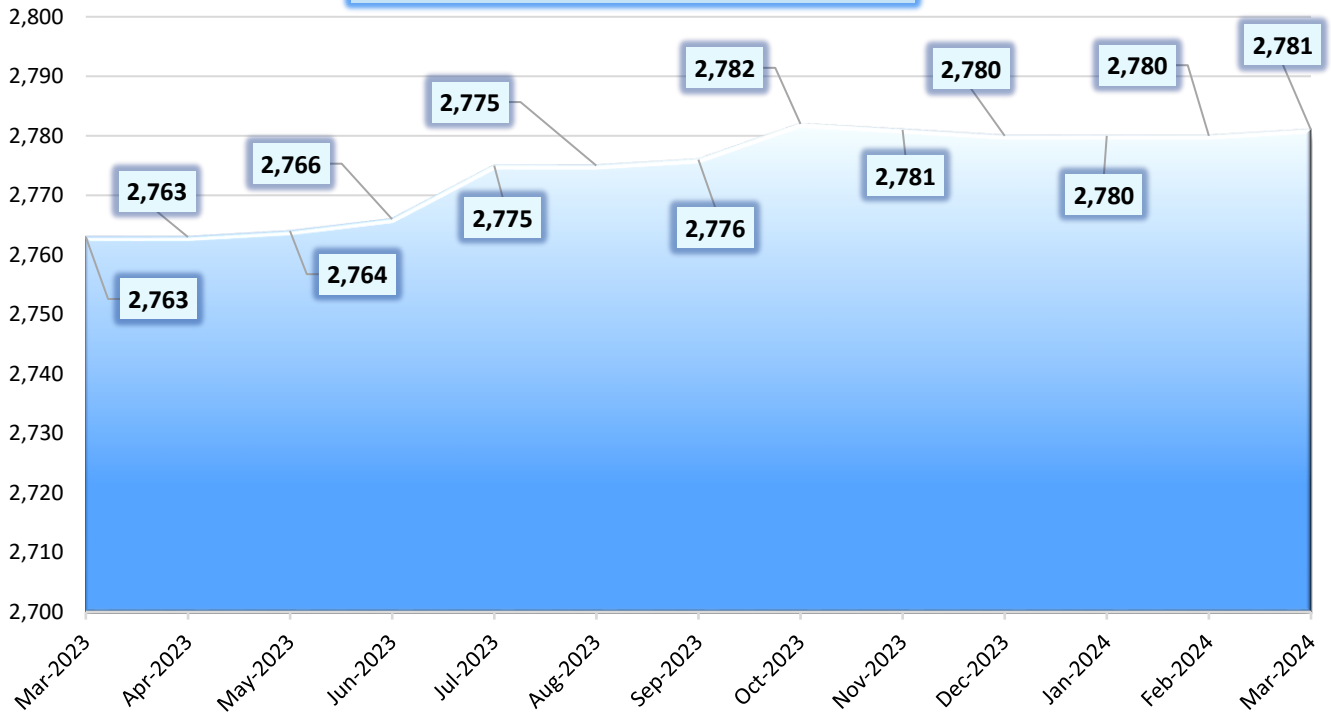
Data Period	March 1 -31, 2024		Water Quality Data	
	Coliform Samples Collected	6	<i>ea</i>	
	Coliform Samples Absent	6	<i>ea</i>	
	Coliform Samples Positive	0	<i>ea</i>	
	Coliform Sample Positive E.coli	0	<i>ea</i>	
	NWF Arsenic	5.00	<i>ug/L</i>	
	SWF Arsenic	0.00	<i>ug/L</i>	
	NWF Arsenic Annual Running Average	4.62	<i>ug/L</i>	
	SWF Arsenic Running Annual Average	1.48	<i>ug/L</i>	



### Arsenic Monthly Annual Average micrograms per liter (ug/L)



### Residential Connections: 3/4" & 1"



## March Work Orders

Read/Leave On	8
Turn Off/Lock – Customer Request	4
Turn Off/Lock – Non-Payment	3
Interrogate Meter	2
Locates	21
Unlock/Turn On	8
Test Backflow	0
Miscellaneous	6
Replace Meter Box	0
Low Pressure	0
Check Customer Valves	0
Dirty Water Complaints	1
Replace Meter	0
Install New Service	3
Assist Customer	1
Check For Leak	5
Re-Read Meter	0
Install Customer Control Valve	3
<b>Total</b>	<b>65</b>



# General Managers Report for April 2024

- Pilot Testing has been underway, and so far, the results of 4 different filter medias have shown removal but none of them has shown any consistency.

With iron and manganese passing through with 30% removal, this still is over the secondary which causes color issues in distribution. What we are working on now is the addition of different polymers to combine the smaller particles that are passing through. This takes time. I have spoken with Russ Porter about various coagulants and polymers.

- Crew dug up main on 272<sup>nd</sup> and installed a buried blowoff at the end of the line.
- Dug up 250<sup>th</sup> to check how it is plumbed. Found issue with dirty water complaints in the Dell, Elm, & Gile areas. Found that the mainline does not complete loop in 2 spots, which the crew flushed 2 days solid to remove sediment.
- Prep for Park Ave Job 274<sup>th</sup> to 270<sup>th</sup> to get depths of mainlines that we will be tying into.
- Battery backup received and spare is on the shelf so we are ready if this happens again.
- The bid winner of the Park Ave job has been awarded to Core and Main.  
**Core & Main \$32,786.84**, Ferguson \$32,969.39, Consolidated supply \$35,327.63, HD Fowler \$35,671.09.
- Vehicle maintenance performed on all service trucks.
- Water system plan discussion and plan workshop.