



Agenda for the Water and Sewer Committee Meeting October 23, 2024 7:00 PM

Old Business

- Minutes from previous meeting July 24, 2024.
- PFAS PFOS – Received Intended Use Plan notification from MDE for the \$925,000.00 funding for PFAS removal at Brookridge WTP.
- Water and Sewer Capacity Update – Possible purchase of taps for East Green St lot, Walnut St Lot and Cross Stone Commons outlot.
- ENR PER Update – Updated draft has been received from RK & K. Staff is reviewing.
- I and I CB Basin update – Received the flow monitoring report with areas of Rod Circle, Layla and Ari and Ashky contributing significant inflow.
- Memar Appropriation Application – MDE is still reviewing the Draft permit. They have sent a lengthy email explaining the delay due to Coblenz Ct residents likely to take legal action as they have in the past.
- SERCAP Rate Study and Fees- Committee was formed to evaluate the rate study and review a rewrite of the current rate structure and classifications. Staff working on data and classifications to discuss in committee. Consideration to update or create Water and Sewer Rules and Regulations. **No update**
- Springline Replacement Project & RMC Grant Application- Staff has received a cost estimate of \$550,000.00 for the first phase of construction (Well field to Rt 70.). Scheduled for October 2024. All permits received. Precon set for 11/6/2024.
- Lead and Copper Revision- Lead Survey submitted October 8 due on October 16, 2024. Town will now comply with public notification and letters to “lead status unknow”.
- SHA Route 17 project. Existing curb stops are located in the project limits and will be replaced to the proposed grade of the new ADA sidewalks. Project has been postponed due to MDSHA delays.
- Water Supply Update: Springs dropping at seasonal norm 36 gpm or 51,840 gpd. Drought monitor currently showing Abnormally Dry. We have not received significant rainfall since September. Daily average usage ending in September was 313,860.

- MDE Grant application: See PFAS item, no other updates.
- Emergency Water Connection with Frederick County: Staff will draft outline of services to county Water and Sewer. Email has been sent regarding subject matter of the agreement. Staff to make a first draft. **No action**
- AMI (Advanced Metering Infrastructure): Staff has replaced 140 meters and transmitters to date. This week the 4" at Hollow Creek and 2" at School Stadium have also been replaced. The project is on schedule and budget.
- I and I Sump Pump Inspections: Staff continues to survey during AMI and LCRR inspections. Several sump pumps have been discovered include a large duplex sump Ostation on Woodmere Circle.
- Meter and Usage review for 2023. Staff during preparation of the budget has reviewed 1.5" through 6" commercial meters for low reading and replacement based on age or low reads. This year's budget includes \$40,000.00 to replace the commercial and 30 each of residential meters. The original meter replacements from 2000 to 2014 are beginning to age out and will require larger numbers of replacements as they approach 20 years. This is how the revenue for the water and sewer account is generated. Replacement is an important operating fund item. **No action.**
- MDE Permits: Received a revised DRAFT Irrigation PS Permit (Groundwater Discharge Permit). We have agreed to the new permit and expect the executed permit anytime.

New Business

- Monthly Water and Sewer Operating Report for August, September and October 2024. Valve turning and hydrant flushing completed in October.
- Staff Projects: Water conservation plan and water audit plan for MDE will be written by Staff, Meter billing conversion, rate study information, LCRR continuation.

DROUGHT 2023 Water Production Capabilities

MAXIMUM PRODUCTION NON DROUGHT				MAX PRODUCTION DROUGHT (2023 Drought DATA 30" rain)			
Wells	YIELD GPM	TOTAL DAILY		YIELD GPM	TOTAL DAILY		YR PRECIP
1,2,6,7,8,9,19	200			160			
14	10			7			
15	55			42			
16	17			17		19 GPM run 17 hours.	
22	5			5			
23	18			17			
	305	439200		248	357120		
						combined sources	
SPRINGS WINTER avg	85	122400	561600	40	57600	414720	
SPRINGS SUMMER avg	50	72000	511200	30	43200	400320	
SPRINGS SUMMER min				17	24480	381600	30
				GPM	Drought Yield	AvgDaily	Tot Rain Fall in
				265	1 month most severe	381600	30
				278	3 month moderate	400320	35

Water Capacity Calculations Jan 2024				
	EDU		Annual Average	Month of Maximum
Annual Appropriation Permit			387,000	504,000
10% Reserve Capacity			38,700	50,400
W1 Infill Lots not connected(see below)	47.13	250	11,783	15,317
Existing Demand - 3 Year Average			311,911	399,246
Available Capacity			24,607	39,037
Planned W2 Future Connections				
Lancaster Property	10	250	2,500	3,500
10% Reserve Capacity			250	350
Future Demand			2,750	3,850
Available System Capacity			21,857	35,187
EDU's Available		250	87	
Memar Annexation	148	250	37,000	51,800
10% Reserve Capacity			3,700	5,180
Memar Annexation Demand			40,700	56,980
EDU's Required**			163	
** This will be offset by additional source provided by the developer.				
W1 Infill, not connected				
28 East Green St Lot		1		
216 E Green St		1		
12 & 14E Main ST Church Lots		2		
30 W Main St		1	jeff and main	
101 W Green St		1		
204 Lombardy Court		1		
Walnut St (subdivision)		1	application	
2 Boileau Drive 205 S Ch St		1		
Municipal Hall		11		
Brown TH's		3		
carolines view		9		
3 on Jefferson St check tap fee already paid		3	308,312,316,open lots	
Cross Stone Commons		4.95		
New Library		4.18		
18 E Green St Lot Williams lot		1		
500 & 502 E Main ST Rhoutzahn		2		
		47.13	EDU's	

1/29/2024

Wastewater Capacity

	Usage GPD	Basin*	EWWT	WWTP	
Design Capacity			350,000	250,000	
Permit Number			13-DP3182	18-DP-0462	
Permitted Capacity	MGD		0.25	0.25	
planned permit increase	MGD		0.100	0.000	
Current Permit Discharge Limit	MGD		0.250	0.250	
Planned Permit Discharge Limit	MGD		0.350	0.250	
3 year avg discharge flow	MGD		0.226	0.168	
Percent Capacity Used at Permit Capacity			90%	67%	
Available Capacity	MGD		0.0238	0.0818	
Units Available Current Permit	SFD		95	327	
Future Connections					
infill lots S1 actual sold 2023					
Brown TH	3	250 West			0.00075
Carolines View	9	250 West			0.00225
Cross Stone Commons	4.95	250 East	0.0012375		
Memorial Hall	11	250 West			0.00275
Infill Lots	14	250 West			0.0035
Library	4.18	250 West			0.001045
					46.13
planned S2 res MEMAR	148	250 Either			0.037
planned S2 comm LANC	1	1600 East	0.0016		0
Planned future flow	MGD		0.0028		0.047
Available Capacity with approved connections at current Permit			0.0209		0.0345
Units available at current permit			84		138
					222
Available Future Capacity at design capacity Permit			0.1209		0.0345
Units available at design capacity			484		138
					622

Abbreviations

Million Gallons/ Day	MGD
Single Family Dwelling	SFD
Equivalent Dwelling Unit	EDU
Equivalent Dwelling Unit flow	1 EDU = 250 GPD
Approved Lot but not connected	S1
Platted Lot proposed usage	S2
Basin determined by gravity flow or by pumped flow	*

July 24, 2024 Meeting Minutes

Old Business

- Minutes from previous meeting April 24, 2024, were reviewed with no comments.
- PFAS PFOS – MDE has sampled Well 22,23 this March. Claim has been filed within the deadline. We now wait. A new announcement for a settlement with BASF was sent to the Town this past week. BASF will settle in the amount of \$312 million.
- Water and Sewer Capacity Update – No changes
- ENR PER Update – The Town was scheduled to receive the updated DRAFT from RK and K the week of July 8. MDE has requested an update and RK and K was copied. We have not yet received the draft from RK and K.
- I and I CB Basin update – Letters to residents have been sent for inspections with the AMI installation. Installations and inspections have begun. The flow monitors remain in the manholes but we have not received any data yet. There has not been any significant rainfall so I am not anticipating much data at the end of 90 days.
- Memar Appropriation Application – Staff directed the hydrogeologist to amend the application to request 130 gpd/unit. Testing for PFAS tort suit results indicated non detect. MDE will advise testing 2x during the 60 day long term pumping test. Public hearing was held July 16 with 29 citizens present and presenting their concerns. MDE announced the record to remain open for an additional 30 days and then they will issue the finds and or permit. The developer and Town have expressed concern over the added delay and comments made about Well 16.
- SERCAP Rate Study and Fees- Committee was formed to evaluate the rate study and review a rewrite of the current rate structure and classifications. Staff working on data and classifications to discuss in committee. Consideration to update or create Water and Sewer Rules and Regulations. No update
- Springline Replacement Project & RMC Grant Application- discussion of the history and feasibility of the replacement project. Board has agreed to move forward with phase one design and construction with conditions. Staff has received a cost estimate of \$550,000.00 for the first phase of construction (Well field to Rt 70.). Staff will create document and apply for permits. Scheduled for October 2024. MDE has granted a permit without comments for the project. Staff will send out notification letters in the near future with construction on schedule.
- Lead and Copper Revision- Lead Survey due October 2024. Staff has completed 800 accounts of the 1700 and continues to work on the survey.
- SHA Route 17 project. Existing curb stops are located in the project limits and will be replaced to the proposed grade of the new ADA sidewalks. Committee recommends replacing the curb stops with outside meters installed by Town or its Contractor. Will be shown in CIP budget request. No action
- Water Conservation Rewrite and Town Ordinance change. Completed.
- Water Supply Update: Springs dropping at seasonal norm 66 gpm or 95,040 gpd.

- MDE Grant application: Submittals for grant cycle FFY24 SFY26: I and I, PFAS, Springline, ENR WWTP, Stream Restoration MS4, Comprehensive Flood Management (Lagoon Decommission) were submitted Jan 30. MDE released the project ratings for public comment and the Town is #2 for ENR, and #20 for PFAS. We expect PFAS to be funded at \$975K. The ENR project appears to be possibly funded as a grant in the Governors budget for FY26.
- Emergency Water Connection with Frederick County: Staff will draft outline of services to county Water and Sewer. Email has been sent regarding subject matter of the agreement. Staff to make a first draft. No action
- AMI (Advanced Metering Infrastructure): During the planning staff discovered approximately 500 meters at end of life (20+ years of service) and has begun replacing them with the AMI transmitters. Budgets have been adjusted. The last major meter replacement campaign was in 2002. There is now a spreadsheet in place to forecast and schedule all meter replacements into the future. The Town has not previously planning our budgeting for this activity. The future rates need to have a meter replacement component.
- I and I Sump Pump Inspections: Being performed in conjunction with the meter/AMI installations.
- Meter and Usage review for 2023. Staff during preparation of the budget has reviewed 1.5" through 6" commercial meters for low reading and replacement based on age or low reads. This year's budget includes \$40,000.00 to replace the commercial and 30 each of residential meters. The original meter replacements from 2000 to 2014 are beginning to age out and will require larger numbers of replacements as they approach 20 years. This is how the revenue for the water and sewer account is generated. Replacement is an important operating fund item. No action

New Business

- Monthly Water and Sewer Operating Report for May, June and July 2024.
- MDE Permits: Received a revised DRAFT Irrigation PS Permit (Groundwater Discharge Permit) this week. Will review and respond.
- Water and Sewer Budgets: Passed by Town Board and are on the website.
- Staff Projects: Water conservation plan and water audit plan for MDE will be written by Staff, Meter analysis, rate study information, LCRR spreadsheet, Permit review. Field staff has replaced obsolete online instruments previously budgeted and will continue into the FY25.

Open Discussion

Commissioner Falcinelli opened the meeting to discussion and previous meeting issues. R Gallagher recalled the discussion regarding the school project from previous meetings regarding the water saving plumbing fixtures. The building code provides for minimum energy

and water saving devices and fixtures. Gray water reuse will not be required since there is no budget or existing reuse system.

There was a discussion about taps, fixture unit counts and fees. Staff believes that we should count the existing FU's at each school for the record and compare to the new FU count for the meter account records and the future of EDU billing. The taps will likely be similar in number. Staff was also directed to comment about the water system alert and restrictions for grass watering considering the alert system.

Comm. Falcinelli also reviewed the recent unauthorized connection to a fire hydrant and the fine that was levied and paid.

Meeting ended at 8:05 PM.

Public Works Monthly Report
August 6, 2024

COMPLETED WORK

WS Rebuilt Cl2 pump at the West WWTP, replaced pump head on Cl2 pump at Brookridge WTP, Cleaned with skim net/Vac grease out of bar screen, influent trough, splitter box, aeration basin, and filter at the East WWTP. 7-8 thru 7-10 and 7-13. Pulled aerator and removed broken cable at the West WWTP. Pulled and unclogged both pumps at Brookridge Pump Station. Installed new cable to hold aerator in place at the West WWTP. Installed 12 new meter/AMI radios. As well as sump pump inspections, and LCRR inspections. **PW** Mucked out Caroline drive SWM Pond, Concrete walkway, bench and trash can installed at Pickleball Court, Equipment service, Franklin St Crosswalk Blinker Sign installed, ordered Library crosswalk blinker sign, Gate install at Remsberg Park, Heater and gas line installed in garage bays, assist with grease removal at East WWTP. Springline leak repaired, Ordered new 550 crew cab for general fund.

Public Works

New Projects or Requests

Research of Alleys in the Woodmere (Linden Locust and E Main ST area)

Unbudgeted Expenses:

Springs at 60 gpm or 86,400 gpd

Sludge Hauling End of FY 24 total cost \$20,544.00, Hauled 192,000 gal, Bedded 283,575 gal

Sludge cost for FY 25 \$00000 000 gal hauled, 17,100 gal bedded **Total hauled** 000 gal **Bedded** 17,100 Gal

Water Use (Average Daily for the Month, Flows stated in gallons per day)

Permit Limits (gal) **387,000/504,000 AD/MMU** **250,000 AD** **250,000 AD**
Base flow **176,000** Base flow **115,000**

MONTH	WATER USE		SPRING FLOW		East WWTP		West WWTP		Rain
	past yr	present yr	past yr	present yr	past yr	present yr	past yr	present yr	
January	294,589	321,178	109,491	80,906	252,000	294,000	164,000	318,000	6.15
February	296,667	313,101	123,213	110,452	239,000	285,000	132,000	249,000	2.6
March **	309,885	307,186	142,161	140,913	275,000	328,000	162,000	267,000	4.7
April **	325,983	339,818	142,274	150,187	213,000	330,000	117,000	399,000	4.6
May	343,765	339,070	146,882	146,094	237,000	242,000	151,000	151,000	4.65
June	340,446	337,789	122,478	140,908	198,000	191,000	119,000	119,000	2.4
July	318,543	342,183	87,179	100,522	178,000	167,000	127,000	116,000	1.45
August	324,822	322,376	79,521	61,243	201,118	167,000	132,900	115,000	1.75
September	302,063	319,276	67,700	46,212	226,936	182,000	159,864	131,000	3.75
October **	309,119	311,354	61,992	41,232	209,733	172,000	138,747	112,000	1.05
November**	295,148	308,601	59,761	37,317	217,000	179,000	141,000	126,000	2.2
December	302,135	319,517	80,456	44,759	282,795	224,000	238,529	174,000	3.95

Avg Daily/yr 313,597 323,454 101,926 91,729 227,465 230,083 148,587 189,750 39.3
 Avg Yr Flw 114.46 118.06 37.20 33.48 83.02 83.98 54.23 69.26

**Hydrants flushed this month

October 2019 531,958, Spring 2020 not flushed. Fall 2020 582,024 Spring 2021 704,842 Fall 2021 744,925 Spring 2022 664,933 Fall 2022 749,561(5 day avg) spring 23 702,023 Fall 23 no flushing Spring 24 581,628 gal

Planned Work

Lead and Copper (inventory due Oct 2024) 1100 accounts of 1675 complete, MDE water inspection corrections. POS, CP&P purchases pending BPW, Rate Study support,

WS Projects: I and I. Springline replacement: ready for construction in October/November, notifications of construction sent to property owners. Church Street Meter Installation, Meter change outs to follow the springline construction.

Open Projects

ADA sidewalk ramp reconstructions: Done for FY 24.

Glenbrook Arch Engineering Study: Staff have reviewed the County and Consultant recommendation. Preparing summary and cost report for corrections. Report summary and estimated costs being reviewed. Remsburg will complete in August, has started.

Water System: Reviewed system for end of life meters (521 each - FY 25), notification to customers for replacement letters have been prepared.

Water Hydraulic Model: no update.

SSO and I&I: Staff met with B and L and will proceed with smoke testing and inspecting each connection in the CB Basin for sump pumps. The inspection will be done in house and a schedule and determination of manhours will be made. Letters will be sent to each residence. Based on the first 3 days of April and flows of the CBPS staff will relook at Foxfield Subdivision based on field reconnaissance of SSMH's and observation of flow. Flow meters will be placed for monitoring and possibly cleaning televising to discover leaking pipe or defects. Originally due to the pipe type and age this area was not given as much priority as the 1954 collection system within the CB Basin. SSO occurred on April 3 from 0954 to 2327 = 811mins at 60 gpm for 48,660 gallon. Flow monitors have been installed in Foxfield area for 90 days. Sump pump inspections are in progress.

West Wastewater Treatment Plant: No new incidents.

East WWTP: Awaiting draft permit. PER is expected week of August 8.

Wells: Well 6 is scheduled for replacement.

Municipal Center: No issues

Harris Farm Property: Completed a review of the structures and a projected usage and cost budget. No action.

Wiles Branch Stream Rehabilitation (MS4): Consultant is moving ahead with Wiles Branch Stream Restoration design and permitting. Grant application will be submitted. Construction late FY24 into 25. Town has received a single price for the work. Project summary and pricing for Board was presented at the May workshop. The projected budget for 2025 is \$550,000.00. Summary of project has been completed that includes costs and recommendation for contract for construction using previous contractor. This work needs to be completed no later than December 2025. No action.

Linden Boulevard Culvert Replacement and Streetscape: Timeline and estimated costs presented for streetscape and stream restoration to the Board. Culvert lining ilo replacement and stream restoration at Wiles Branch appears to be the favored options. Engineering has been funded for FY 24. Staff has received the resident advisory committee notes. The design alternatives were presented at the March 25 town board meeting. Several discussions about additional considerations for around a bout and streetlights and sidewalk. The B&C recommend the committee come back with their final request. Awaiting a second recommendation from the community committee. May 14, 2024, Board approved no sidewalks, new Town Standard street lights. The discussion included a roundabout but that was later discussed and decided to provide a 4 way stop at Pine and Linden. Staff has met with Triad Engineering and they are moving ahead with construction plans, end of September for first submission. Washington gas has opted out for installation on Linden.

Brookridge PS: Pulled both pumps for clogging. Has been many months since last clearing of debris.

Pickleball Courts: Staff has used a sound meter as recommended in the report to record noise and compare the study results. The field study revealed no pickleball noise over 50db. Roadway noise was up to 75 db. The report was provided to all elected officials. Lighting contractor has applied for an electrical permit.

Patching Contract: FY 24 patching contract has been completed. No action.

Developments

ADMAR Annexation: Design for treatment plant in progress 99% submittal has been submitted for review. IP drawings reviewed. MDE has reviewed and commented on the WTP (PFAS sampling occurred on 5/24 and 5/25 but was deemed unusable.) April 27 MDE and adjoining property Owners at Townhall. Non detect but we expect the sampling to reoccur during the 60 day test. Will resubmit to MDE. Construction permit is contingent on 60 day long term test and appropriation permit. MDE public hearing held on July 16, 2024 with comment period left open for 30 days. MDE will issue a tentative decision on the permit as the next step.

Lancaster Development: Requested floor plans and use for water appropriation planning but have not received. No action. The property has been listed for sale. No action

Future Budget Considerations

W&S: Comprehensive sewer plan, West WWTP ENR plant replacement (non process component for Town budget). upsize CB pumps (part of the facility review or ENR upgrade), PFAS treatment, springline replacement, ½ ton Pickup for Oncall commuting (move 1 Ton to GF), Field Maintenance tractor

GF: 2 future positions for 2 full crews. 26 GVW truck replacement (truck

Regulatory

EPA

Revised Lead and Copper: Inventory of all public and private service lines due October 2024. (75% complete). New LCRI has been released for comment. Areas Completed Middletown Commons, Glenbrook, 95% complete Foxfield, Northpointe, Eastern Circle 20% complete, Brookridge South, Cone Branch Estates,

PFOA PFOS: MDE Grant applied for January 2024. New PFAS regulations have been adopted by EPA. Initial sampling must be performed between 2024 and 2027, 2027 to 2029 initial results published in CCR and regular monitoring must begin, 2029 systems must comply with all MCL's (must have treatment online). MDE sampled Well 22 and 23 in April; no results as of this date. Website has been updated with the approved EPA Rule and most recent testing. No action

MDE

Permits: East WWTP Discharge Permit (exp Dec 2021) submitted 22 months prior to expiration and then revised 14 months before expiration. MDE advertised the reapplication. We have requested an increase in discharge flow from 250,000 to 350,000. MDE has approved the County Water and Sewer Plan which requested the increase in flow. MDE is has started working on the permit may be 9 months till completed, will await the PER ENR selection process before releasing Draft permit. Received email that MDE has begun the renewal (Jan 24). No action

Irrigation Pump Station Permit Renewal has been advertised by MDE awaiting same for EWWTP. MDE reissued the Draft with new PFAS requirements and the Town has responded with exceptions to the permit. MDE has responded and the permit now includes a Nitrogen limit. Staff has opposed this and will continue to work with MDE for a mutually acceptable solution. The Town will be required to sample effluent for PFAS.

MS4 Permit: Received a Proposal from FSA or inspection and survey MS4 stream improvements to justify the MS4 credits and have placed in the General Fund budget. MDE has issued a new MS4 permit to FrCo (they administer the permit) valid for 5 years. 2024 report due October 31, 2024.

West WWTP ENR Upgrade: A meeting with MDE for planning discharge limits on December 6 revealed concerns by MDE for discharging 700,000 gpd to the Hollow Creek based on summer base flows. Received planning limits Jan 27, 2023 for review. Met with Engineer to discuss the proposed limits and options. RK& K has provided 3 cost estimates for 3 options. Revised DRAFT PER should be received week of August 8 for review.

Wastewater Capacity Management reports: Submitted January 31, 2024 to MDE. No change.

Grants: The January 2024 deadline grants list has been released for public comment. Middletown is listed for ENR, PFAS, Springline replacement and I and I. No action.

**Public Works Monthly Report
September 5, 2024**

COMPLETED WORK

WS Installed 64 (76 to date) new meter/AMI radios as well as sump pump inspections, and LCRR inspections. Replace pressure and vac gauges at CBPS, Well 6 pump and motor replaced, add Well 16 to SCADA control, maintenance on spray nozzles at EWWTP, Aquadisk, process tubing lines. **PW** Ordered F150, installed meter pit at Heritage Park, install sidewalk bench and can at P-ball courts, install concrete weir walls at Remsberg Park, Sign pole foundations at Parking lot, Crosswalk blinker foundations at library, equipment maintenance, Cone Branch SWM Pond seed and mulch, School Crosswalk painting, Wiles Branch wood guardrail, springline leak repair.

Public Works

New Projects or Requests

Research of Alleys in the Woodmere (Linden Locust and E Main ST area), Remsberg Master Plan, Remsberg ADA walk path concept. MVFD R1 lot review other large infill lots. Cross Stone Commons out lot site plan inquiries.

Unbudgeted/ Contingent Expenses: Well 6 \$4,550.00

Springs at 46 gpm or 66,240 gpd

Sludge Hauling End of FY 24 total cost \$20,544.00, Hauled 192,000 gal, Bedded 283,575 gal

Sludge cost for FY 25 \$00000 000 gal hauled, 31,350 gal bedded **Total hauled** 000 gal **Bedded** 48,450 Gal

Water Use (Average Daily for the Month, Flows stated in gallons per day)

Permit Limits (gal) **387,000/504,000 AD/MMU** **250,000 AD** **250,000 AD**
Base flow **176,000** Base flow **115,000**

MONTH	WATER USE		SPRING FLOW		East WWTP		West WWTP		Rain
	past yr	present yr	past yr	present yr	past yr	present yr	past yr	present yr	
January	294,589	321,178	109,491	80,906	252,000	294,000	164,000	318,000	6.15
February	296,667	313,101	123,213	110,452	239,000	285,000	132,000	249,000	2.6
March **	309,885	307,186	142,161	140,913	275,000	328,000	162,000	267,000	4.7
April **	325,983	339,818	142,274	150,187	213,000	330,000	117,000	399,000	4.6
May	343,765	339,070	146,882	146,094	237,000	242,000	151,000	151,000	4.65
June	340,446	337,789	122,478	140,908	198,000	191,000	119,000	119,000	2.4
July	318,543	342,183	87,179	100,522	178,000	167,000	127,000	116,000	1.45
August	322,376	326,634	61,243	74,327	167,000	220,000	115,000	186,000	5.15
September	302,063	319,276	67,700	46,212	226,936	182,000	159,864	131,000	3.75
October **	309,119	311,354	61,992	41,232	209,733	172,000	138,747	112,000	1.05
November**	295,148	308,601	59,761	37,317	217,000	179,000	141,000	126,000	2.2
December	302,135	319,517	80,456	44,759	282,795	224,000	238,529	174,000	3.95

Avg Daily/yr	313,393	323,809	100,403	92,819	224,622	234,500	147,095	195,667	42.7
Avg Yr Flw	114.39	118.19	36.65	33.88	81.99	85.59	53.69	71.42	

**Hydrants flushed this month

October 2019 531,958, Spring 2020 not flushed. Fall 2020 582,024 Spring 2021 704,842 Fall 2021 744,925 Spring 2022 664,933 Fall 2022 749,561(5 day avg) spring 23 702,023 Fall 23 no flushing Spring 24 581,628 gal

Planned Work

Lead and Copper (inventory due Oct 2024) 1350 accounts of 1675 complete, MDE water inspection corrections. POS, CP&P purchases pending BPW, Rate Study support, Remsberg Master Plan

WS Projects: I and I. Springline replacement: ready for construction in October/November, notifications of construction sent to property owners. Church Street Meter Installation, Meter change outs to follow the springline construction.

Open Projects

ADA sidewalk ramp reconstructions: Done for FY 24.

Glenbrook Arch Engineering Study: Staff have reviewed the County and Consultant recommendation. Preparing summary and cost report for corrections. Report summary and estimated costs being reviewed. Remsburg will completed wall cap replacements and guardrail.

Water System: Reviewed system for end of life meters (521 each - FY 25), 76 installed to date. Notification to customers for replacement letters have been prepared. Meter replacements continue.

Water Hydraulic Model: no update.

SSO and I&I: The inspection will be done in house and a schedule and determination of manhours will be made. Letters will be sent to each residence. Based on the first 3 days of April and flows of the CBPS staff will relook at Foxfield Subdivision based on field reconnaissance of SSMH's and observation of flow. Flow meters will be placed for monitoring and possibly cleaning televising to discover leaking pipe or defects. Originally due to the pipe type and age this area was not given as much priority as the 1954 collection system within the CB Basin. SSO occurred on April 3 from 0954 to 2327 = 811mins at 60 gpm for 48,660 gallon. Flow monitors have been installed in Foxfield area for 90 days have been removed. Sump pump inspections are in progress. Smoke testing to begin Sept 9, FD and property Owners notified.

West Wastewater Treatment Plant: No new incidents.

East WWTP: Awaiting draft permit. PER has been received and ready for review.

Wells: Well 6 motor and pump replaced. Well 15 pump, motor and drop pipe being scheduled for replacement (54 gpm to 38 gpm)

Municipal Center: No issues

Harris Farm Property: Completed a review of the structures and a projected usage and cost budget. Reviewed Springfield Barn event venue for possible use of bank barn.

Wiles Branch Stream Rehabilitation (MS4): Consultant is moving ahead with Wiles Branch Stream Restoration design and permitting. Grant application will be submitted. Construction late FY24 into 25. Town has received a single price for the work. Project summary and pricing for Board was presented at the May workshop. The projected budget for 2025 is \$550,000.00. Summary of project has been completed that includes costs and recommendation for contract for construction using previous contractor. This work needs to be completed no later than December 2025. No action.

Linden Boulevard Culvert Replacement and Streetscape: Timeline and estimated costs presented for streetscape and stream restoration to the Board. Culvert lining ilo replacement and stream restoration at Wiles Branch appears to be the favored options. Engineering has been funded for FY 24. Staff has received the resident advisory committee notes. The design alternatives were presented at the March 25 town board meeting. Several discussions about additional considerations for around a bout and streetlights and sidewalk. The B&C recommend the committee come back with their final request. Awaiting a second recommendation from the community committee. May 14, 2024, Board approved no sidewalks, new Town Standard street lights. The discussion included a roundabout but that was later discussed and decided to provide a 4 way stop at Pine and Linden. Staff has met with Triad Engineering and they are moving ahead with construction plans, end of September for first submission. Washington gas has opted out for installation on Linden. No action

Brookridge PS: No action.

Pickleball Courts: Staff has used a sound meter as recommended in the report to record noise and compare the study results. The field study revealed no pickleball noise over 50db. Roadway noise was up to 75 db. The report was provided to all elected officials. Lighting contractor has applied for an electrical permit. Working with ATC for court repairs.

Patching Contract: FY 24 patching contract has been completed. No action.

Developments

ADMAR Annexation: Design for treatment plant in progress 99% submittal has been submitted for review. IP drawings reviewed. MDE has reviewed and commented on the WTP (PFAS sampling occurred on 5/24 and 5/25 but was deemed unusable.) April 27 MDE and adjoining property Owners at Townhall. Non detect but we expect the sampling to reoccur during the 60 day test. Will resubmit to MDE. Construction permit is contingent on 60 day long term test and appropriation permit. MDE public hearing held on July 16, 2024 with comment period left open for 30 days. MDE expects to issue a draft permit in the next 14 days. The next step will be to review the permit condition and respond.

Lancaster Development: Requested floor plans and use for water appropriation planning but have not received. No action. The property has been listed for sale. No action

Future Budget Considerations

W&S: Comprehensive sewer plan, West WWTP ENR plant replacement (non process component for Town budget). upsize CB pumps (part of the facility review or ENR upgrade), PFAS treatment, springline replacement, Field Maintenance tractor

GF: 2 future positions for 2 full crews. 26 GVW truck replacement (truck 4)

Regulatory

EPA

Revised Lead and Copper: Inventory of all public and private service lines due October 2024. (80% complete). New LCRI has been released for comment.

PFOA PFOS: MDE Grant applied for January 2024. New PFAS regulations have been adopted by EPA. Initial sampling must be performed between 2024 and 2027, 2027 to 2029 initial results published in CCR and regular monitoring must begin, 2029 systems must comply with all MCL's (must have treatment online). MDE sampled Well 22 and 23 in April; no results as of this date. Website has been updated with the approved EPA Rule and most recent testing. No action

MDE

Permits: East WWTP Discharge Permit (exp Dec 2021) submitted 22 months prior to expiration and then revised 14 months before expiration. MDE advertised the reapplication. We have requested an increase in discharge flow from 250,000 to 350,000. MDE has approved the County Water and Sewer Plan which requested the increase in flow. MDE is has started working on the permit may be 9 months till completed, will await the PER ENR selection process before releasing Draft permit. Received email that MDE has begun the renewal (Jan 24). No action

Irrigation Pump Station MDE reissued the 3rd Draft with new PFAS requirements for sampling. Nitrogen limit has been removed. Will complete review in next 14 days.

MS4 Permit: Received a Proposal from FSA or inspection and survey MS4 stream improvements to justify the MS4 credits and have placed in the General Fund budget. MDE has issued a new MS4 permit to FrCo (they administer the permit) valid for 5 years. 2024 report due October 31, 2024.

West WWTP ENR Upgrade: A meeting with MDE for planning discharge limits on December 6 revealed concerns by MDE for discharging 700,000 gpd to the Hollow Creek based on summer base flows. Received planning limits Jan 27, 2023 for review. Met with Engineer to discuss the proposed limits and options. RK& K has provided 3 cost estimates for 3 options. Revised DRAFT PER has been received.

Wastewater Capacity Management reports: Submitted January 31, 2024 to MDE. No change.

Grants: The January 2024 deadline grants list has been released for public comment. Middletown is listed for ENR, PFAS, Springline replacement and I and I. No action.

**Public Works Monthly Report
October 4, 2024**

COMPLETED WORK

WS Installed 53 (140 to date) new meter/AMI radios as well as sump pump inspections, and 48 LCRR inspections each month. Plant Maintenance including feed pump rebuilds, belt replacements, injector replacements, replace headworks water line and meter, auto sampler pump replacement, exercise valves in Foxfield. **PW** Library blinker crosswalk sign, concrete pad for MVAA and birdhouses, multiple Truck and equipment repairs, Tree plaques, banner poles, park maintenance, assemble scarecrow stands, Heritage setup and tear down, license exams.

Public Works

New Projects or Requests

Research of Alleys in the Woodmere (Linden Locust and E Main ST area), Remsberg Master Plan, Remsberg ADA walk path concept.

C P and P: The project has been ordered through Playground specialists. No tentative delivery date at this time.

School Property 12" Waterline: Received proposal for design of new 12" waterline replacement across school property in coordination with collocated school phasing. Will be included in 2026 Budget request or discussed to use the Church St budget to cover the cost. (\$16K).

Unbudgeted/ Contingent Expenses: Well 6 \$4,550.00, Well 15 pump and drop pipe replacement \$32,500.00

Springs at 45 gpm or 64,800 gpd

Sludge Hauling End of FY 24 total cost \$20,544.00, Hauled 192,000 gal, Bedded 283,575 gal

Sludge cost for FY 25 \$939.00 9000 gal hauled, 25,650 gal bedded **Total hauled** 9000 gal **Bedded** 74,100 Gal

Water Use (Average Daily for the Month, Flows stated in gallons per day)

Permit Limits (gal) **387,000/504,000 AD/MMU** **250,000 AD** **250,000 AD**
Base flow **176,000** Base flow **115,000**

MONTH	WATER USE		SPRING FLOW		East WWTP		West WWTP		Rain
	past yr	present yr	past yr	present yr	past yr	present yr	past yr	present yr	
January	294,589	321,178	109,491	80,906	252,000	294,000	164,000	318,000	6.15
February	296,667	313,101	123,213	110,452	239,000	285,000	132,000	249,000	2.6
March **	309,885	307,186	142,161	140,913	275,000	328,000	162,000	267,000	4.7
April **	325,983	339,818	142,274	150,187	213,000	330,000	117,000	399,000	4.6
May	343,765	339,070	146,882	146,094	237,000	242,000	151,000	151,000	4.65
June	340,446	337,789	122,478	140,908	198,000	191,000	119,000	119,000	2.4
July	318,543	342,183	87,179	100,522	178,000	167,000	127,000	116,000	1.45
August	322,376	326,634	61,243	74,327	167,000	220,000	115,000	186,000	5.15
September	319,276	313,860	46,212	59,637	182,000	176,000	131,000	129,000	2.85
October **	309,119	311,354	61,992	41,232	209,733	172,000	138,747	112,000	1.05
November**	295,148	308,601	59,761	37,317	217,000	179,000	141,000	126,000	2.2
December	302,135	319,517	80,456	44,759	282,795	224,000	238,529	174,000	3.95

Avg Daily/yr	314,828	323,358	98,612	93,938	220,877	234,000	144,690	195,500	41.8
Avg Yr Flw	114.91	118.03	35.99	34.29	80.62	85.41	52.81	71.36	

**Hydrants flushed this month

October 2019 531,958, Spring 2020 not flushed. Fall 2020 582,024 Spring 2021 704,842 Fall 2021 744,925 Spring 2022 664,933 Fall 2022 749,561(5 day avg) spring 23 702,023 Fall 23 no flushing Spring 24 581,628 gal

Planned Work

Lead and Copper (inventory due Oct 16, 2024) 1697 accounts of 1697 complete will review for errors and submit, MDE water inspection corrections. POS, CP&P purchases pending BPW, Rate Study support, Remsberg Master Plan, PER review, LPPI resubmittal for used funds left from the Wiles Branch Pavilion and Dog Park.

WS Projects: I and I. Springline replacement: ready for construction in October/November, notifications of construction sent to property owners. Church Street Meter Installation CANCELLED

Open Projects

ADA sidewalk ramp reconstructions: Done for FY 24.

Glenbrook Arch Engineering Study: Staff have reviewed the County and Consultant recommendation. Preparing summary and cost report for corrections. Report summary and estimated costs being reviewed. Remsburg completed wall cap replacements and guardrail but guardrail is not complete.

Water System: Reviewed system for end of life meters (521 each - FY 25), 140 installed to date. Notification to customers for replacement letters have been prepared. Meter replacements continue. Hydrant flushing Oct 7 -11.

Water Hydraulic Model: no update.

SSO and I&I: The inspection will be done in house and a schedule and determination of manhours will be made. Letters will be sent to each residence. Based on the first 3 days of April and flows of the CBPS staff will relook at Foxfield Subdivision based on field reconnaissance of SSMH's and observation of flow. Flow meters will be placed for monitoring and possibly cleaning televising to discover leaking pipe or defects. Originally due to the pipe type and age this area was not given as much priority as the 1954 collection system within the CB Basin. SSO occurred on April 3 from 0954 to 2327 = 811mins at 60 gpm for 48,660 gallon. Flow monitors have been installed in Foxfield area for 90 days have been removed. Sump pump inspections are in progress. Smoke testing to begin Sept 9, FD and property Owners notified. Preliminary report indicates most of the flow during monitoring is coming from the Mina Drive and Rod Circle area.

West Wastewater Treatment Plant: No new incidents.

East WWTP: Awaiting draft permit. PER has been received and ready for review.

Wells: Well 6 motor and pump replaced. Well 15 pump, motor and drop pipe being scheduled for replacement (54 gpm to 38 gpm).

Municipal Center: No issues

Harris Farm Property: No action

Wiles Branch Stream Rehabilitation (MS4): Consultant is moving ahead with Wiles Branch Stream Restoration design and permitting. Grant application will be submitted. Construction late FY24 into 25. Town has received a single price for the work. Project summary and pricing for Board was presented at the May workshop. The projected budget for 2025 is \$550,000.00. Summary of project has been completed that includes costs and recommendation for contract for construction using previous contractor. This work needs to be completed no later than December 2025. No action.

Linden Boulevard Culvert Replacement and Streetscape: Timeline and estimated costs presented for streetscape and stream restoration to the Board. Culvert lining ilo replacement and stream restoration at Wiles Branch appears to be the favored options. Engineering has been funded for FY 24. Staff has received the resident advisory committee notes. The design alternatives were presented at the March 25 town board meeting. Several discussions about additional considerations for around a bout and streetlights and sidewalk. The B&C recommend the committee come back with their final request. Awaiting a second recommendation from the community committee. May 14, 2024, Board approved no sidewalks, new Town Standard street lights. The discussion included a roundabout but that was later discussed and decided to provide a 4 way stop at Pine and Linden. Staff has met with Triad Engineering and they are moving ahead with construction plans, end of September for first submission. Washington gas has opted out for installation on Linden. No action

Brookridge PS: No action.

Pickleball Courts: Staff has used a sound meter as recommended in the report to record noise and compare the study results. The field study revealed no pickleball noise over 50db. Roadway noise was up to 75 db. The report was provided to all elected officials. Working with ATC for court repairs. Lighting has been completed and commissioned. Reporting of usage and cost is available from the online monitoring. Actual lighting measurements will be taken in the next couple weeks.

Patching Contract: FY 24 patching contract has been completed. No action.

Developments

ADMAR Annexation: Design for treatment plant in progress 99% submittal has been submitted for review. IP drawings reviewed. MDE has reviewed and commented on the WTP (PFAS sampling occurred on 5/24 and 5/25 but was deemed unusable.) April 27 MDE and adjoining property Owners at Townhall. Non detect but we expect the sampling to reoccur during the 90 day test. Will resubmit to MDE. Construction permit is contingent on 90 day long term test and appropriation permit. MDE public hearing held on July 16, 2024 with comment period left open for 30 days. MDE expects to issue a draft permit in the next 14 days. The draft has not yet been issued. MDE has internal issues and asked for Town input which was provided. They will issue an operational permit for the 90 day testing and then a final permit based on the testing period.

Lancaster Development: No action

Alekco's: Site Plan resubmittal and plumbing details will be submitted shortly.

Collocated School Project: Traffic Study scope has been reviewed and may have results by November. Received request for EDU calculation process from school design team.

Future Budget Considerations

W&S: Comprehensive sewer plan, West WWTP ENR plant replacement (non process component for Town budget), upsize CB pumps (part of the facility review or ENR upgrade), PFAS treatment, springline replacement, Field Maintenance tractor

GF: 2 future positions for 2 full crews. 26 GVW truck replacement (truck 4)

Regulatory

EPA

Revised Lead and Copper: Inventory of all public and private service lines due October 2024. (80% complete). New LCRI has been released for comment.

PFOA PFOS: MDE Grant applied for January 2024. New PFAS regulations have been adopted by EPA. Initial sampling must be performed between 2024 and 2027, 2027 to 2029 initial results published in CCR and regular monitoring must begin, 2029 systems must comply with all MCL's (must have treatment online). MDE sampled Well 22 and 23 in April; no results as of this date. Website has been updated with the approved EPA Rule and most recent testing. No action

MDE

Permits: East WWTP Discharge Permit (exp Dec 2021) submitted 22 months prior to expiration and then revised 14 months before expiration. MDE advertised the reapplication. We have requested an increase in discharge flow from 250,000 to 350,000. MDE has approved the County Water and Sewer Plan which requested the increase in flow. MDE is has started working on the permit may be 9 months till completed, will await the PER ENR selection process before releasing Draft permit. Received email that MDE has begun the renewal (Jan 24). No action

Irrigation Pump Station MDE reissued the 3rd Draft with new PFAS requirements for sampling. Nitrogen limit has been removed. Review has been completed and MDE will forward a new permit in the near future.

MS4 Permit: Received a Proposal from FSA or inspection and survey MS4 stream improvements to justify the MS4 credits and have placed in the General Fund budget. MDE has issued a new MS4 permit to FrCo (they administer the permit) valid for 5 years. 2024 report due October 31, 2024.

West WWTP ENR Upgrade: A meeting with MDE for planning discharge limits on December 6 revealed concerns by MDE for discharging 700,000 gpd to the Hollow Creek based on summer base flows. Received planning limits Jan 27, 2023 for review. Met with Engineer to discuss the proposed limits and options. RK& K has provided 3 cost estimates for 3 options. Revised DRAFT PER has been received, Review to begin week of October 14, 2024.

Wastewater Capacity Management reports: Submitted January 31, 2024 to MDE. No change.

Grants: The January 2024 deadline grants list has been released for public comment. Middletown is listed for ENR, PFAS, Springline replacement and I and I. No action.