



TOWN OF ELIZABETH

MIKE DEVOL, PUBLIC WORKS DIRECTOR

TO: Honorable Mayor, Mayor Pro-Tem and Town Board of Trustees
FROM: Mike DeVol, Public Works Director
DATE: April 22, 2025
SUBJECT: Public Works Monitoring Report

Public Works has a zoom meeting with CDPHE Permit writers on Monday April 21, 2025 at 08:30 to discuss individual permits for Gold Creek Plant and Singing Hills Wastewater Plant for personalized sampling, compliance and overall expectations as a follow up from the blanket permit across the state.

***Town Street Paving Improvements Project:**

1. Ongoing projects for the year 2025.

***Town Main St. Decorations:**

1. Will remain down for Mainstreet Streetscape project.

***Town Wells, Tanks and Effluent:**

1. Denver D-1 Well bid proposal and findings discussed in packet

***Town Water Line (NON) Emergency Repair:**

1. No Frozen Services during this reporting period.

***Town Hall/ Repairs/ Landscaping Plan:**

***Town Walkway Repairs:**

1. PW will be completing a sidewalk repair at E. Elm St and S Elbert St using a Foam Jacking technique as a demonstration for longevity and cost effectiveness. The contractor is local and lives in Hillside Village.

2. PW continues to monitor three areas of concern for sidewalks that are heaving due to freeze and thaw conditions consistent for our area.

***Town Street Maintenance/Striping Projects:**



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1. Striping will take place in the spring/summer of 2025 as needed.

*Town Snow Plowing and Street Sweeping: SNOW SEASON is almost completed for 2025

1. The Town Newsletter included Town Plowing Code and Snow Route "NO PARKING" information.
2. PW has been plowing and applying salt/sand as needed. Clean-up continues as storms subside.
3. PW continues educating property owner's of their responsibilities and the Town's actions during and after storms.
4. Public Works has begun sweeping of the streets and removing ice and snow as needed.

*Town New Wells at Ritoro/Gold Creek Valley:

1. The new Wells building is complete, and PW is planning an Open House Grand Opening in the spring of 2025.
2. Landscaping will take place in 2025 and PW will work with the 4 adjacent property owners for their approval of the landscape sketch to ensure that we conceal as much of the building as possible from their views.

*Town Trail Project:

1. Town Trails are cleared of snow as soon as the storm has stopped for use by the public.
2. PW has seen increased parking along Hwy 86, Harvest Bible and RC Elementary school for trail enthusiasts.

*Gold Creek Lift Station Improvements:

1. Completion of project has begun warranty period and filing completion with CDPHE Permitting.

*Eligibility Surveys for Water and Wastewater Capitol projects have been completed for 2024/2025 and accepted by Colorado Department of Public Health and Environment



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(CDPHE). The eligibility surveys allow for the town to be in line for any funding that may be available for future projects.

*Gold Creek Wastewater Treatment Plant (GCWWTP)

The state sampling of the plant after maintenance all came back at 98% removal of all constituents that are required. It was an excellent slow start up of Train 2 and the plant is back at 100% capacity.

Maintenance has been concluded on Train 2 of the plant. PW did a slow 2-week plant start up on Train 2 of the plant to allow bugs/bacteria to acclimate and begin their life cycle. The combination of Bug population, Dissolved Oxygen and liquid temperature are the biggest contributors to a happy healthy working bug population as they work chemical free to complete the process of naturally treating the waste water.

1. NO CHANGES AS OF THIS REPORT
2. Just a quick review of the Wastewater Plant: It is designed to treat 500,000 (.5MGD) gallons of Raw Sewage per day. Train 1 and Train 2 share that equally. The Plant currently is treating 170,000 (.170MGD) average gallons per day while maintaining our minimal 85% reduction of constituent removals (currently 93%-99% removal) that are set by CDPHE in our Permit. When the time comes that the wastewater Plant is treating at 80% (400,000 gallon) (.4MGD) of the Total Capacity the Town must start to show Plant Expansion Plans to CDPHE. The current WTP upgrade Budget is currently in good shape for funding. Reference of constituent removal: Please see attached Laboratory Sampling Analysis for actual numbers. Note all numbers/results are shown as milligrams per liter (mg/L) this equates from metric to Standard as parts per million (ppm). Plant is 100% Biological/Bacteria (Bugs) NO CHEMICALS

Bio-chemical Oxygen Demand (BOD) minimum 85% removal (current average 99% removal)

Total Suspended Solids (TSS) minimum 85% removal (current 93%-99% removal)

Nitrogen/Ammonia (NH₃) minimum 85% removal (current 99% removal)

E. Coli maximum 115 parts per million (ppm) (current <1 ppm) U.V. Light neuters bacterial for no reproduction and does not kill the bacterial which in turn means no chemicals and cost savings to the Town residents.



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*Town Clean Up Day/ Paint Round-Up/Arbor Day

1. Town Clean Up Day is re-scheduled for May 10th at PW yard located at 303 Washington St from 8am-1200 noon. Due to conflicting “Meat-In” festivities.

*Town Public Works News

1. Public Works has filled one Water/Wasterwater position open for 2025 and have an opening for a Streets/Parks position.

*Town Farmers Market:

1. PW is gearing up for the 2025 season.

*Town Parks and Right of Way

Upcoming Projects:

1. PW has completed 2024 the CDPHE Annual Reporting:
2. Annual Biosolids has been completed for 2024 and sent to CDPHE.
3. Regulation 85 Nutrient Monitoring/Accepted by CDPHE
4. PW has completed a round of PFAF's (radiation/radiological). Results have been reported to CDPHE.
5. Water Augmentation and Recording
6. Water Lead and Copper sampling
7. Water Constituents Metals Sampling
8. Annual DMR (Daily Monitoring Report) Gold Creek Wastewater Plant
9. Tree City USA Application/ Accepted and approved by Tree City USA
10. Trail DOLA findings and Inspections/ Addition of Willow Cuttings Planted
11. PW has completed Highway User Tax Fund (HUTF) reporting and data processing.
12. PW is completing Lead and Copper testing per CDPHE guidelines for 2024
13. Flushing of the entire town's water supply system is completed every 6 months.

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