

# Village of Dolgeville Engineer's Monthly Update

#5  
6/21/22

June 2022

## Current Open Projects

### \*\* SCADA System Updates at the WTP

- Amy and Neal have worked to bring together a proposal from Aqualogics Systems, Inc., for a much-needed SCADA system update at the WTP. Aqualogics is a specialty contractor who works with data control and acquisition systems at water and wastewater treatment plants, who we currently use at the wastewater treatment plant in the Village.
- The existing system at the plant needs to be replaced (software and hardware is outdated and not serviceable) and, while the proposed system (Option 2) remains a basic system, the new system will include some minor upgrades which will allow the operators to view processes remotely therefore saving operators unnecessary trips to the plant. It will send alarms directly to operators and through the new software, will reduce the amount of time required to generate monthly reports to DOH.
- Will be funded through ARPA.

### Water and Wastewater System Preliminary Engineering Reports

- In discussions between Village staff over the past few months, the idea to have a Preliminary Engineering Report generated for the Village's water and wastewater systems was brought up. These reports would be comprehensive, containing an evaluation of the entire water and wastewater systems from the raw water sources, to reservoirs, through the treatment plant, and into the distribution system (of the water system) and would focus more on the treatment plant, itself, for the wastewater system since we are currently working on inspection and reporting for the wastewater collection system. The current state of the water and wastewater systems would be identified and recommendations for repairs, costs, and plans of finance would be discussed. These reports would be the foundation documents for seeking grant money through future opportunities.
- I have reached out to a consultant to assist with the preparation of these reports if the Department Heads and Board approve. Once I receive their proposals we can discuss further before deciding to proceed.
- The generation of these reports could be funded through ARPA.

### Main Street Sewer Replacement Project

- A kick-off meeting is scheduled for June 22, 2022 at 10:00 AM, Village Hall.

### Congressionally Directed Funding Applications

- Awaiting responses to our applications to Senator Schumer's Office for funding the replacement of Fink Creek and offsetting the costs for the Main Street Sanitary Sewer Project.
- Representative Stefanik's Office has informed the Village that the Fink Creek Project was selected and has been sent to the Appropriations Committee.

### Halloween Flood Event (404 Mitigation Program) DR4472

- This project remains in Environmental and Historic Preservation (EHP) review at FEMA.

### Halloween Flood Event (404 Mitigation Program) DR4480

- GHD submitted the application for North Main Street under the DR4480 program which was due by June 1, 2022.

### EPA Lead and Copper Rule Changes

- A lead service line inventory form template was received by the Village on June 15, 2022.
- The Village will need to provide an inventory to all service lines to the local DOH by October 16, 2024.

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## Halloween Flood Event (FEMA)

- The most recent updates from FEMA are below:
  - o PN130882 - Emergency Protective Measures – This project has been obligated.
  - o PN130884 - Fink Storm Water Drainage System – A response to the recent RFI from FEMA should be ready this coming week.
  - o PN130885 - North Main Street Sewer, Water Distribution and Storm Drainage Reconstruction – A response to the recent RFI from FEMA was delivered on June 14, 2022. This project is close to being obligated.
  - o PN130886 - North Main Street Roadway Reconstruction – This project has been obligated.
  - o PN130887 - North Main Street Levee – Pending for either the documents that have been discussed previously (proof of ownership, maintenance records, scope of work and cost estimate) to send the project to the CRC or the withdrawal request to be submitted. The Village is electing, based on the recommendation from DHSES, to press for FEMA's response to the documents submitted as a denial letter from FEMA will potentially help the Village request assistance from other agencies in the future.
  - o PN130890 - East Canada Creek Sediment – Pending for either the documents that have been discussed previously (proof of ownership, maintenance records, scope of work and cost estimate) to send the project to the CRC or the withdrawal request to be submitted. The Village is electing, based on the recommendation from DHSES, to press for FEMA's response to the documents submitted as a denial letter from FEMA will potentially help the Village request assistance from other agencies in the future.
  - o PN130890 - Village Wide Debris Removal – This project has been obligated.
  - o PN153162 - Management Costs – Pending for the obligation or withdrawal of all the projects to be sent to the CRC.
- DHSES is requesting that the Village to prepare the back-up paperwork required for PN153162 - Management Costs. I sent an e-mail with the documentation needs to the Village on 6/15/2022.

## NYS Parks Grant

- The Village is awaiting a status update from Saratoga Associates regarding the work in the recently approved Change Order as well as a response to questions regarding utilities for the site generated on April 21.

## Sanitary Sewer Collection System Investigation, Phase II (EPG #105559)

- Field work for this project started on June 13, 2022.
- Inspection of undersized sanitary sewers on streets currently scheduled to be paved this year is being prioritized and coordinated between DPW and WWTP. Therefore, if defects are found, they can be repaired prior to paving.

## Van Buren Street Ice Jam / Flooding

- I will be working on a preliminary design over the next month to help the Village in planning the construction work and assist in the decision of how the work should be implemented: by utilizing Village forces and shared services or by contracting out all or a portion of the work.

## WWTP Concrete Deterioration Repairs

- This project is the next priority for me now that the WTP Spillway Failure Repair project has been submitted for permitting.
- We will be addressing concrete repairs in two areas of the Primary Settling Tank and the replacement of the concrete stairs between the Primary Settling Tank and the Main Building.

## WTP Spillway Failure Repairs

- I completed and submitted the NYSDEC / ACOE Joint Permit Application for this project on May 19, 2022.
- We do not expect to hear back from ACOE for at least 90 days from this date and have not yet received a response from NYSDEC.
- Cleaning of the reservoir will continue as planned on July 6, 2022. Originally, we intended to wait to clean the reservoir until the permits were received for this construction work, but the ACOE timeline does not work with the Village's timeline needed to clean the reservoir.

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## Village Water Tower / Annexation

- The IDA's consultant is expected to set a design kick-off meeting with the Village for early July.

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## DPW Project List

- Repair / replacement of 4 major creek culverts throughout Village
- Vehicle acquisition / replacement
- Co-funding sources for Main Street Paving / ADA Compliance Project
- DPW Garage Construction Grants
- Greenway Extension Grants (Main Street to Gehring Tricot)
- Beaver Brook and Thresher Brook Floodplain, FEMA (*no change*)
- Army Corps of Engineers, East Canada Creek (*no change*)
- 2<sup>nd</sup> Street Drainage Improvements (*on hold*)
- DEC Mohawk River Watershed Grants – Round 5 (On hold pending 404 Program @ North Main Street)

## WTP / Water Distribution System Project List

- Siding Repairs at Rear of WTP
- Grant Funded Study / Hydraulic Model in 2022/2023
- Water Operator's License
- Water Transmission Main Mapping / Grants
- GIGP Water Meter Resubmittal (w/ B&L)
- NYSDOH Disinfection Byproducts (*on hold*)

## WWTP / Collection System Project List

- Phosphorous Removal Limits Changing, 1.0 (EPG)
- Incorporate 2019 Video/Condition Assessment Into GIS / HOCCPP System
- Main Street Sanitary Sewer Project / Financing, EFC

## Future ARPA Project List

- Primary Tank Concrete Repairs
- WTP Disinfection Byproducts
- WTP and WWTP Preliminary Engineering Reports