

DeRutyer Reservoir Dam Rehabilitation Project Public Meeting – Questions and Answers

6:30 PM on Tuesday, June 4, 2019 at the Fabius-Pompey Middle/High School Auditorium

1. Will the high-water drain elevation be raised?
 - No, the reconstructed spillway will have the same elevation as it currently has. The new concrete side walls within the spillway will be higher than the existing walls, but it will not affect pool elevation of the reservoir or reservoir operations after construction is completed.
2. Please explain the dates on slide 21 indicating when water level will begin to rise. If we begin dewatering earlier, could we also finish earlier?
 - The dates provided are projections based on several assumptions including project construction timeline and weather conditions. Yes, the Canal Corporation will continue to look for opportunities, including throughout construction, to minimize the time the reservoir is dewatered.
3. Will my well and septic systems be impacted by the dewatering?
 - We do not anticipate significant impacts to wells and septic systems caused by the 10-foot reservoir drawdown, but please contact the Canal Corporation at 518-449-6000 to discuss your individual circumstances.
4. Will dam rehabilitation be impacted by the planned roadway construction project within the Town that is scheduled around the same time?
 - The Canal Corporation continues to coordinate with local authorities to ensure planned road work will not negatively impact project schedule.
5. Have you considered closing the 2019/2020 ice fishing season due to the reduced water volume and the impacts to bait fish and fish stocking efforts?
 - The Canal Corporation does not have the authority to control ice fishing or ice fishing season. However, the Canal Corporation has met with NYSDEC to explain the project and is considering potential impacts to the fisheries as part of the environmental review for the project.
6. Inflow at the south end of the reservoir has been low resulting in sediment buildup, can the material be removed to restore the flow?
 - The removal of sediment will not be required for the temporary use of the inlet for recharging of the reservoir. This temporary use will be monitored to ensure water quality of the reservoir is maintained. Flow rate through the inlet will be monitored during dam rehabilitation and adjusted as needed based on weather conditions. Periodic inspections will be performed to assess the integrity of the channel.
7. Will the seaweed at the south end of the reservoir be impacted?
 - During the drawdown period exposure to freezing conditions may reduce Eurasian milfoil and other aquatic vegetation.
8. Will restrictions on motor boating be implemented?
 - We anticipate that the Contractor will install temporary barriers in the Reservoir at a reasonable distance from the work to protect employees working on the water and

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submerged divers. However, there are no plans by the Canal Corporation to implement other motor boating restrictions.

9. How will existing walls that are normally below the water level be protected from frost heave while the reservoir is lowered?
 - The Canal Corporation will research the issue and provide recommendations. Please contact the Canal Corporation at 518 449-6000 to discuss your individual circumstances.
10. How will the contractor compact frozen clay soils during the winter?
 - The project will follow appropriate DOT specifications and dam safety industry standards for the type of soil and method of compacting the soil, including compacting during winter months. Soils with low clay content may be placed during the winter. Soil with clay content will only be used to back fill holes after stump removal and will be completed prior freezing conditions.
11. Based on the winter water level, is there any reason for me to remove my dock after the season?
 - The decision to remove a dock is up to the individual owner. The Canal Corporation will be providing information about current and anticipated water levels during the project.
12. Could the Canal Corporation remove the sediment from the south end and use it as material for the project?
 - No, the sediment will not meet the structural requirements necessary for a sound and safe dam.
13. How will the Volunteer Fire Department cope with the loss of water sources?
 - The Canal Corporation is coordinating with emergency services to ensure availability of adequate water resources.
14. If the Tioughnioga Creek diversion head gate structure is in such a poor state, will it be able to handle the increased flows during the work?
 - The Canal Corporation anticipates a flow rate not to exceed 6.7 CFS which is low enough to prevent damage. In addition, routine monitoring of the inlet and diversion head gate will be performed during the project.
15. Has a triaxle truck route been defined?
 - Not yet, a route will be determined once the contract has been bid and a quarry is selected.
16. Please explain what parts of the dam are being replaced.
 - Description of work related to dam elements provided in the presentation slide deck posted to the website.
17. How often does the reservoir turn over?
 - Per CSLAP information provided by the DeRuyter Lake Association, the 'turnover' or hydraulic residence time of the reservoir is approximately 3.3 years.