

Division of Water

Request for Legislation

An ordinance to authorize the Division of Water to enter into one or more public improvement contracts to make improvements to the residuals handling facilities at Baldwin, Crown and Nottingham Water Treatment plants.

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Background/Purpose:

Cleveland Water uses a comprehensive treatment process at each of its four water treatment plants to provide customers with safe, high quality drinking water. This process includes the removal of large debris, sedimentation, filtration and disinfection. This treatment process, which removes organic and inorganic material from raw Lake water, results in sludge, or residuals. These sludge solids then require their own separate processes to treat and dispose of them. The residuals handling equipment at the Baldwin, Crown and Nottingham treatment plants require significant improvements and repairs.

Scope of Work/Commodities/Services:

This ordinance will authorize the construction of sludge/residuals facility improvements at the Baldwin, Crown, and Nottingham treatment plants.

The improvements at Nottingham will include installing piping to allow the option to remove residuals in liquid form, and the replacement or refurbishment of pumps and controls in the residual processes. The pumps are located in the attenuation building, the residuals handling building, the backwash clarifier building, and the sedimentation basin pump chambers.

At Baldwin, the work will improve sludge mixing in the two sludge storage tanks and the residuals mixing chamber.

At Crown, the four gravity thickeners, two backwash clarifiers and the sludge collection equipment will be rehabbed or replaced. The domes over the gravity thickeners will be replaced. Gravity thickener drives previously purchased will be installed as part of this project.

Anticipated Costs and funding source:

The anticipated cost of this work at all three plants is \$7,400,000.00

The cost of the improvement and other expenditures authorized shall be paid from Fund 52, SF 001, and/or from the fund or sub fund to which are credited the proceeds of current and future bonds, if issued for this purpose.

Schedule or Term of Contract:

Legislation will lead to a public improvement contract or contracts.