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**DEPARTMENT OF PUBLIC WORKS**

Justin Westlake

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Administrative Superintendent

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DPW Engineer

Scott McGrady

DPW Superintendent

Derek VanDam

DPW Superintendent

DATE: January 15, 2026

TO: Honorable Charter Township of Waterford Board of Trustees

FROM: Justin Westlake, DPW Director 

RE: Water Treatment Plant 19-1 Filter Media Replacement (Daffodil)

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Waterford Township utilizes multiple water treatment facilities to provide safe drinking water for our customers. Water treatment plant 19-1 is due to have the filter media replaced. The filter media is layered in the filtration tanks and filters iron and other undesirable substances such as arsenic from the well water.

Replacing the filter media and the rehabilitation of the filtration tanks are important to maintaining a Safe Drinking Water Act compliant water supply. Much like changing the oil in a car, this is part of the general maintenance that goes into the water treatment process, and treatment facility 19-1 is next on our list.

Waterford will be contracting Elenis Contracting LLC to perform the construction work for us; they are a single source vendor for Waterford Township and specialize in this type of work. They have completed filter media replacement projects for us in the past and have done excellent work. This work is estimated to cost \$260,663.67. This total has a 10% contingency included in the price. Their project cost sheet is attached for the Board to review.

We do not expect further work to be required; however, if it is discovered that such work is needed with the filter blocks or underdrains, I will return to the Board with a report as to what is required and request further funding at that time.

This work was approved in the 2026 budget hearings and will be coded to account # 59045-97010.

**Requested Board Action:**

- 1. Authorize Elenis Contracting to complete the filter media replacement project at Water Treatment Facility 19-1 for a total amount not to exceed \$260,663.67.**

With us there are no boundaries

Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Prices
1	Mobilization/Bonding	LS	1	\$ 20,000.00	\$ 20,000.00
2	Remove Existing Media	LS	1	\$ 46,676.48	\$ 46,676.48
3	Existing Media Disposal	LS	1	\$ 7,000.00	\$ 7,000.00
4	Sand Blast ( four cells)	LS	4	\$ 10,383.10	\$ 41,532.40
5	Painting (four Cells)	LS	4	\$ 13,759.20	\$ 55,036.80
6	Furnish and Install New Filter Media	LS	1	\$ 65,221.29	\$ 65,221.29
7	Disinfect Filter	LS	1	\$ 1,500.00	\$ 1,500.00
8	Dixon Coating Inspection	LS	1		
	Subtotal				\$ 236,966.97
9	Remove Filter Block*	LS	1	\$ 43,881.04	\$ 43,881.04
10	Filter Block Disposal*	LS	1	\$ 3,500.00	\$ 3,500.00
11	Structural Repair of Steel*	LBS		\$ 25,000.00	\$ 25,000.00
12	Welding*	INCHES		\$ 25,000.00	\$ 25,000.00
13	Furnish and Install New Filter Blocks*	LS	1	\$ 256,950.24	\$ 256,950.24
14	Leopold Underdrain 2024 Contingency 10%*	LS	1	\$ 22,695.02	\$ 22,695.02
15	Exterior SP3 Overcoat	LS	1	\$ 57,810.00	\$ 57,810.00
16	Interior Aeralator Middle Chamber SP10 100% Solids	LS	1	\$ 71,700.00	\$ 71,700.00
17	Building Interior CMU Wall SP3 Overcoat	LS	1	\$ 46,960.00	\$ 46,960.00
	Subtotal				\$ 553,496.30
	Filter Media Replacement only + 10% Contingency				\$ 260,663.67
	Filter Media and Filter Block Replacement + 10% Contingency (subject to final adjustment based on actual quantities).				\$ 846,814.58

\* These items have been included, however, once the media has been removed, the cells will be inspected, to determine if these items are required.