

TOWN OF WAREHAM 2019 FALL TOWN MEETING WARRANT ARTICLE

BOARD OF SEWER COMMISSIONERS

WARRANT ARTICLE: # 23 – revision #2

TITLE: WPCF FUNDING REQUEST FOR PROCESS IMPROVEMENTS

ARTICLE:

To see if the Town will vote to appropriate a sum of money to pay costs of constructing three process improvements at the Water Pollution Control Facility (WPCF), including a new raw wastewater lagoon (lined and covered), new denitrification filters, and new wet weather equalization lagoon, as well the payment of all cost incidental and related thereto; to determine whether this amount shall be a transfer from available funds, raised by taxation, borrowing or otherwise, to do or act in any manner related thereto.

MOTION:

I move that the Town vote to appropriate two million six hundred and fifty thousand dollars (\$2,650,000) to pay for the costs of constructing a new lined weather equalization basin and the cost of engineering two other process improvements for new denitrification filters and raw wastewater basin (lined and covered) at the Water Pollution Control Facility (WPCF), as well the payment of all cost incidental and related thereto; to determine whether this amount shall be a transfer from available funds, raised by taxation, borrowing or otherwise.

EXPLANATION:

The WPCF is looking to expand its equalization capacity through 2 new lined basins. One basin will serve as a redundant equalization basin to increase equalization capabilities in the event of a storm, and the other will serve as fore bay to manage solids and control odor entering the WPCF. The third improvement project is the installation of redundant denitrification filters. The WPCF was constructed prior to the regulations requiring a redundant denitrification filter and therefore operated with one filter. During times of increase peak flows, these filters become clogged forcing partially treated effluent to overtop them and drain into nearby unlined depression which is a DEP violation. This forms a bottleneck at the treatment plant and repercussions through the whole treatment process. The engineering has been completed for the equalization basin and ready for construction at a cost of 2.5M. Engineering plans at a cost of 150K are needed for the 2nd basin and denitrification filters.