



Public Works – Clean Water Plant

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Board of Public Works

Alex Damien, Interim Director of Public Works

Subject: Compliance Maintenance Annual Report

Attached is a copy of the 2021 operating year DNR Compliance Maintenance Annual Report. There are ten categories that we are evaluated on: Influent Loading; Effluent Biological Oxygen Demand (BOD) Quality; Effluent Total Suspended Solids Quality; Effluent Ammonia Quality; Effluent Phosphorus Quality; Bio-solids Management; Preventive Maintenance and Staffing; Operator Certification; Financial Management; and Collection Systems. For the sixth year in a row a score of an “A” was achieved in all ten of the categories resulting in an overall combined score of 4.0.

The plant has been operating with consistently high removal rates producing very clean effluent. Upgrades to the tertiary treatment for low level phosphorus removal will only improve upon our effluent quality. We are still having some difficulty meeting our new interim chloride limits; however, we are working on that with our softener optimization program as the transition to Lake Michigan water approaches.

We had five Sanitary Sewer Overflows (SSOs) in 2021 for the collection system. Two were from the Pebble Valley force main and lift station upgrade construction project. One was the result of another sewer lining project of a gravity main for rehabilitation and I & I reduction. One was due to a trench collapse for the return flow pipe construction project as they were working above another gravity sewer line. And the last was a force main failure from the Burr Oak lift station which is planned to be eliminated. The city continues to put forth efforts to improve the collection system to reduce the potential for SSO's.

We appreciate the support of all City Departments and the Board of Public Works in our efforts.

Sincerely,

Wastewater Staff

Department of Public Works