

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: File

FROM: JoAnn Kalemkiewicz

DATE: May 26, 2015

SUBJECT: Green Project Reserve for SRF 5573-02 Saline WWTP Improvements

This is a State Revolving Fund (SRF) project that will replace and upgrade the rotating biological contactors, septage receiving station, SCADA system, clarifier drives, final effluent filters, odor scrubbers, bar screen, structural repairs and installation of a security fence and gate at the wastewater treatment plant for the City of Saline.

The city is replacing the current traveling bridge sand filter system with a disc filter system. The new filter system will reduce backwash time by 80% resulting in energy saving for back wash pump time, and therefore pump energy consumption, by greater than the minimum requirement of 20%. This will also reduce the reintroduction of the backwash water into the treatment process resulting in additional energy savings for the treatment process. The portion of this project that replaces the current final effluent filter system with a more efficient final effluent filter system is categorically eligible as Green Project Reserve (GPR) .

The total project loan amount is \$3,600,000. The final filter replacement portion of the project will cost \$950,000.

As per EPA GPR guidance, Part A.II.3.b.ii, CWSRF GPR Specific Guidance, Technical Guidance, Energy Efficiency Improvements, Categorical Projects, "Projects that achieve a 20% reduction in energy consumption when comparing energy used by the existing system . .". The total approved loan amount is \$3,600,000, of which \$950,000 will be used to replace the filter system. The GPR forgiveness amount is \$300,000.