

O'Brien WRP's Goals and Objectives for 2017-2019

Goal – Prevent Release of Sludge into the Environment and Increase the Reliability of the West Side Sludge Line to the Stickney WRP

Objective

Prevent release of sludge into the environment and increase the reliability of the West Side Sludge Line to Stickney WRP.

Description

The first third of the West Side Sludge line was built in the 1960's. It has experienced numerous breaks in the line since the late 1990's. Most recently, there were 3 sludge line breaks in 2016. When there is a sludge line break there is discharge of some sludge to the environment including parkway, roadway, and North Shore Channel. Additionally, the O'Brien WRP currently operates the sludge pipeline at a reduced operating pressure to minimize potential for line breaks. This reduced operating pressure often limits the amount of solids that can be transported to Stickney WRP causing a backup of solids in the O'Brien WRP.

Replacement of the problematic first third of the West Side Sludge Line would mitigate the potential for sludge releases to the environments as well as improve the ability for the O'Brien WRP to waste sludge to Stickney WRP.

Measurability

Elimination of sludge line breaks as well as improvements in the volume/amount of solids sent to Stickney WRP for further processing would be tracked.

Baselines are available for the sludge flow volume and Dry Tons of solids sent to Stickney WRP.

Post Construction: Compare measurability factors to baseline.

Affect to Biosolids Production

Increased dry tons of sludge to Stickney WRP for further processing.

Relevant EMS Outcomes

Elimination of sludge spills to the environment.

Action Plan

2017: Complete design of the replacement section of the West Side Sludge Line, Contract 17-027.3S. Bid and award the Contract.

2018-2019: Construction and commissioning of the new sludge line section.

Tracking Progress

The project is currently under design by Engineering.

Track measurability factors on a yearly basis and submit in progress report.

Responsible Person(s)

Section 731 – AETPO 2

Section 515 – Principal Civil Engineer



Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

Environmental Management System for Biosolids

Funds/Resources

Funds for the project have been budgeted in the Engineering Department.

Target Date

12/31/2019