

Memorandum

To: Jason Dailey, Director of Public Works

From: Kevin Kaplan, Pretreatment Administrator

Date: April 22, 2021

Subject: Flow Monitoring Service

Cranberry Township's Sewer & Water Field Operations Division plans to monitor the 16 interceptors in the sanitary collection system for an Infiltration & Inflow (I & I) study. Flow monitoring is an essential procedure to collect data for evaluating and characterizing wet-weather and dry-weather flow conditions in sanitary sewer collection systems.

Flow monitoring of the interceptors will help identify any capacity issues during wet-weather events, and allows us to target the sub-basins for the identification and removal of I & I. I & I decreases the capacity in our collections system for the transportation and treatment of domestic wastewater. It also increases the flow treated at the wastewater treatment plant resulting in increased O&M costs and customer rates.

Quotes were obtained from ADS Environmental Services, TECsmith, and Drnach Environmental. It is recommended to contract with Drnach Environmental, who will calibrate, install, operate, maintain, field calibrate and download all flow data collected by the flow meters, associated hardware and software and provide a completed monthly report. The estimated cost for a 6-month flow monitoring study is \$100,000.