

# Seneca Wastewater Treatment Plant Improvements Project

## Construction Update - December 2019

As of November 30, 2019, work on the project is over 85% complete. Work that is currently underway helps us meet four of our five project goals.

### **Goal: Meet EPA air emissions standards**

Upgrades to the new chemical addition facilities and wet scrubber (where we use water to cool the gas and remove particulates so they do not get released into the environment) allow us to meet the air emissions standards without overusing water or chemicals.

### **Goal: Improve the quality of wastewater treatment**

We are replacing the solids thickening equipment to improve treatment reliability at the plant. Major repairs of our existing equipment (large centrifuges) require that the equipment be shipped offsite, taking 10 to 12 months to complete the repairs. The new equipment (gravity belt thickeners) can be maintained without removing it from the treatment plant and repairs can be completed in less than a week.

### **Goal: Preserve wastewater treatment plant assets**

Relocating our air compressors away from the gases released as part of the thickening process will reduce the maintenance and rebuilding of the equipment and provide a longer life for the compressors. We are also reconfiguring existing building for new uses to better meet plant operation needs.

### **Goal: Save energy**

We are replacing aeration equipment, adding new solids thickening equipment, and installing more energy-efficient tunnel lighting. This will provide an estimated \$200,000 in energy savings annually.