

Project Fact Sheets

Project Name

Future Drinking Water Regulations Treatment

Project Category

Public Health
Regulatory Requirement

Project Cost

\$1,000,000

Key Elements

1. Assess impact of future regulations on existing treatment
2. Evaluate potential treatment technologies for target compound removal and ability to meet future regulations



Project Description

- Assess impact of future drinking water regulations treatment scheme. Assess how existing facilities meet future regulations and identify gaps where new treatment technologies can be implemented to meet future regulations.
- Evaluate potential treatment technologies for future regulated compound removal and ability to meet future regulations.
- Characterize raw water quality from three separate sources of supply (Middle Oconee River, North Oconee River and Bear Creek Reservoir) for taste and odor, contaminants of emerging concern (CECs), and PFAS compounds.

Project Name

North Oconee WRF
Phosphorus Polishing

Project Category

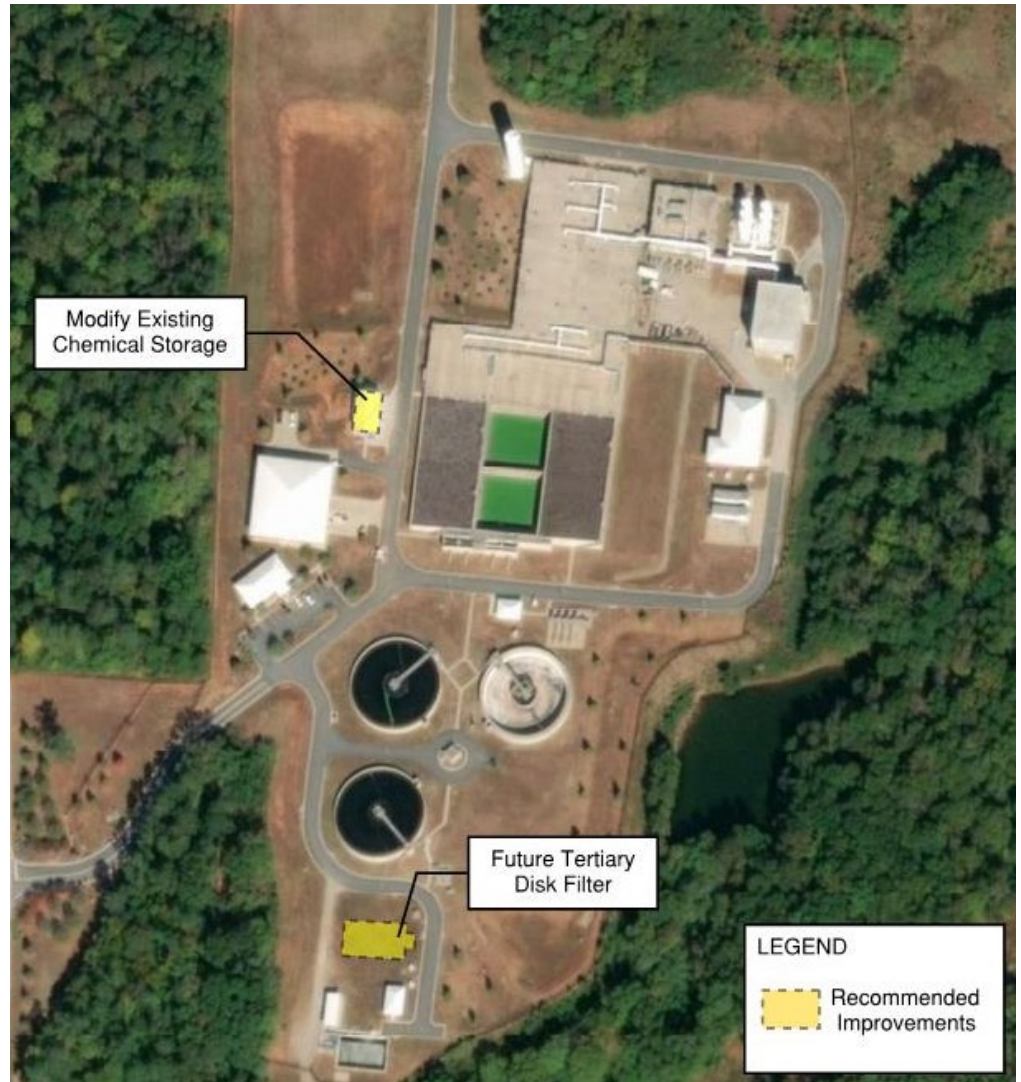
Public Health
Regulatory Requirement

Project Cost

\$11,100,000

Key Elements

1. Construction of tertiary filter facilities
2. Meet future effluent Total Phosphorus limit



Project Description

Construct tertiary filters to meet new total phosphorus limits. This includes any ancillary equipment needed to meet new permit requirements.

Project Name

Middle Oconee WRF
Phosphorus Polishing

Project Category

Public Health
Regulatory Requirements

Project Cost

\$14,000,000

Key Elements

1. Construction of filtration facilities.
2. Meet future effluent Total Phosphorus limit
3. Construction of intermediate pump station



Project Description

Relocate the existing maintenance building and construct tertiary filters to meet new total phosphorus permit. This includes any ancillary equipment needed to meet new permit requirements.

Project Name

Cedar Creek WRF
Phosphorus Polishing

Project Category

Public Health
Regulatory Requirements

Project Cost

\$6,300,000

Key Elements

1. Construction of filtration facilities
2. Meet anticipated future effluent Total Phosphorus limit



Project Description

Construct tertiary filters to meet new phosphorus limits. This includes any ancillary equipment needed to meet new permit requirements.

Project Name

Alternative Sewer Solutions

Project Category

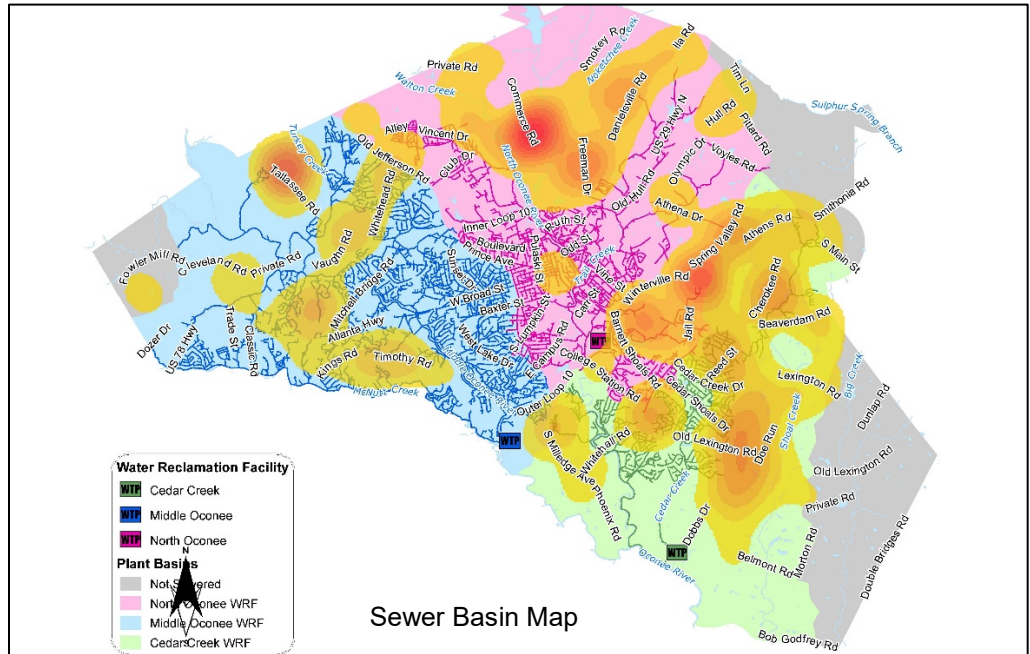
Public Health Initiative

Project Cost

\$5,000,000

Key Elements

1. Alternate sewer solutions for areas of the county that are served by septic tanks for wastewater treatment.
2. Tracking septic tank pumping manifests allows areas of potential septic tank failure to be identified.



Project Description

Providing design for alternatives to gravity sewer in areas that have failing septic tanks. Alternatives could include force main collection, onsite wastewater treatment options, neighborhood-based wastewater treatment and disposal, or other future concepts for wastewater treatment and disposal.

The Sewer Basin Map above shows the locations of pumped septic tanks from 2017-2019 as indicated in manifests at the Cedar Creek WRF septage receiving station.