



# Seneca Primary Tank 2 Rehabilitation

Contract 21P091



September 2022 John Tierney

**Seneca Primary tank #2  
Commissioned in 1972  
155' Diameter 12' Deep  
2.1 Million Gallon Tank**



Concrete floor has exposed aggregate degradation

**The steel and concrete structures inside a primary tank are immersed and operate in a very harsh environment**

**After years of operating in these conditions, the surfaces of the steel and concrete structures need to be properly prepped and have protective coatings applied to all these surfaces**

**This equipment is critical and must be properly maintain in this way to meet the level of service required at this stage of the wastewater treatment process**



Bent supports needing repair or replacement

**Mounting hardware, steel supports and normal wear parts need to be inspected and replaced, all internal surfaces need sand blasting and protective coatings applied**



Lower connection of horizontal truss arm

**Seneca's Primary Tank #2 is still in very good condition but must have these necessary repairs to continue to reliably operate for years to come**



Heavy corrosion on longitudinal top angle