

Findlay Water Pollution Control Center

project description | wastewater treatment

location

Findlay, Ohio

client

City of Findlay

completion date

2001



A Wastewater System Master Plan for the City of Findlay, Ohio was completed in June 1998. The master plan recommended significant improvements to Findlay's sanitary sewer collection system and wastewater treatment facilities. Recommended improvements to the collection system in the 0 to 5 year term included over approximately 8 miles of gravity sewer, 3 miles of dual 24-inch force main, and a new 15 MGD wastewater pump station. Due to its proximity to residential and commercial areas, the new pump station was equipped with carbon absorption odor control equipment.

Prior to the improvements project, the City of Findlay operated two wastewater treatment facilities. It was recommended that the Broad Avenue WWTP, originally constructed in 1933, be taken out of service and the River Road WWTP be expanded from 6.0 to 15.0 MGD with a 40 MGD peak. The expanded treatment facility uses five oxidation ditches, each with two vertical aerators, as the biological treatment process. Ferrous chloride is added to the wastewater treatment to enhance chemical phosphorus removal.

Five 100-foot diameter final clarifiers provide for gravity settling and removal of the bio-solids from the wastewater. Clarified effluent is disinfected using ultraviolet light prior to being discharged into the Blanchard River. Waste biosolids are retained in three aerated sludge holding/thickening tanks prior to dewatering using four 2-meter belt filter presses.



project components

- Decommissioned Blanchard Road WWTP
- WWTP Expansion from 6 to 15 MGD
- Chemical Phosphorus Removal
- Carbon Absorption Odor Control
- New Two-meter Belt Filter Press