



**BIOFOR®**

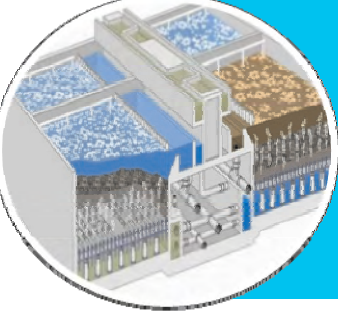
# Wetzel Road Wastewater Treatment Plant

Wetzel Road, New York

7.9 MGD BAF SYSTEM

**INFILCO**  
BIOLOGICAL GROUP





# Wetzel Road Wastewater Treatment Plant

County of Onondaga , NY

**INFILCO**  
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## BACKGROUND

The Wetzel Road Wastewater Treatment Plant serves the Town of Clay, Bayberry, Salina, and the Saw Mill Pump Station area. Prior to the Wetzel Road WWTP Upgrade and Saw Mill Creek Pump Station Replacement Project, the plant was designed to treat an average flow of 3.5 MGD and a peak flow of 8.8 MGD. The Wetzel Road WWTP needed upgrades and renovations to expand wastewater treatment capacity from 3.5 MGD and to upgrade the level of wastewater treatment provided to meet new SPDES permit effluent limits.

## SOLUTION

Preliminary facility study determined that biological filters would be cost effective in meeting the above treatment objectives and would fit within the existing plant site. The treatment train consists of raw sewage screening and grit removal, primary settling, biological treatment for BOD and ammonia removal using a two-stage biological active filter Biofor® system, tertiary effluent filtration, ultraviolet disinfection, and post-aeration. The full-scale Biofor® system consists of 4 C-stage cells for BOD removal and 4 N Stage cells for nitrification. Additionally, the upflow filtration system provides TSS removal in both stages removing the need of any secondary clarifiers, hence providing a cost effective treatment solution.

### QUICK FACTS:

>**FLOW RATE:** 13.1 MGD Peak Day Flow, 7.9 MGD Max Month Flow, 5.9 MGD Average Flow

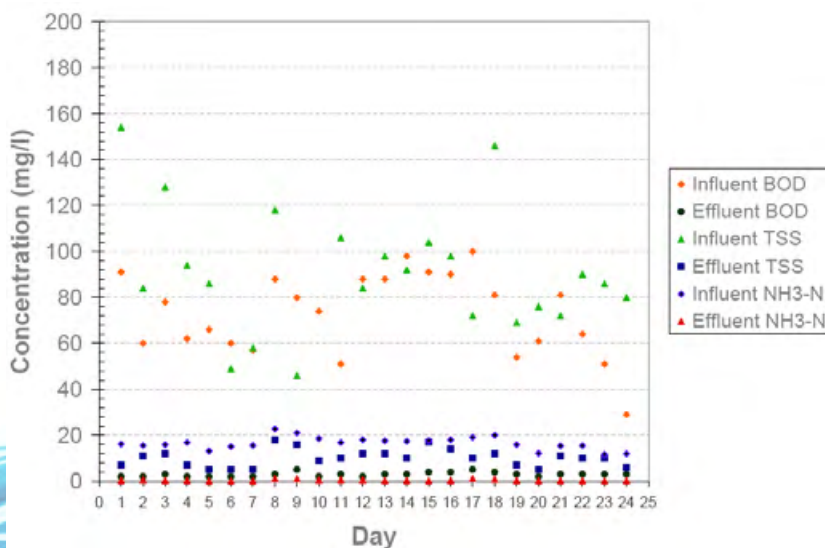
>**PERMIT:** BOD<sub>5</sub> < 12 mg/l, NH<sub>3</sub>-N < 1 mg/l, TSS < 12 mg/l

>**NUMBER OF UNITS:** 8

>**START DATE:** July 2003



## RESULTS



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