

Bio-Pac SF#30 Trickling Filter

West Point, VA WWTP



Retrofit of existing rock media with Bio-Pac SF#30 polypropylene media. Existing rock removed with Bobcat, damaged underdrain removed, Bowerston shale type underdrain installed, new rotary distributor installed with Bio-Pac installed afterward.

Bio-Pac Trickling Filter Information

Media: Bio-Pac SF#30 with 30 ft²/ft³ surface area

Dimensions: 2 trickling filter operating in parallel, each 50 ft diameter x 4.5 ft bed depth, 8,900 ft³

Design Conditions: Flow: 50,000 gpd
Influent BOD: 150 mg/l
% BOD Removal: 90+%

Upstream equipment:

Typical Municipal headworks (Stormwater Catch Basin, Screening, Primary Clarifier).

Downstream equipment:

Final Clarifier, Disinfection.

Year Bio-Pac Installed:

1995

