

Sessil[®] Trickling Filter

Killingly, CT Wastewater Treatment Plant



Workers installing Sessil 125 media into existing trickling filter structure. Galvanized steel support structure was installed to support the Sessil media which replaced redwood media.



Sessil Trickling Filter Information

Media: Sessil 125 with 38 ft²/ft³ surface area

Dimensions: 70 ft diameter x 22 ft bed depth, 87,000 ft³

Design Conditions:

Flow: 3.0 mgd

Influent BOD: 500 mg/l

% BOD Removal: > 80%

Upstream equipment:

Typical municipal plant headworks (bar screens, clarifier)

Downstream equipment:

Activated sludge plant

Engineer: Wright-Pierce (Middletown, CT)

Year Sessil Installed: 2002

Wastewater Type: 50% Municipal (*Based on BOD Load*)
50% Industrial (Corn Chip Processing Plant)