

Sessil[®] Trickling Filter

Frito Lay - Charlotte, NC



60 ft diameter Sessil trickling filter, originally an ABF tower. Redwood media was removed and replaced with Sessil 150 trickling filter media. A galvanized steel support structure was installed to support Sessil media.

Sessil Trickling Filter Information

Media: Sessil 150 with 45 ft²/ft³ surface area

Dimensions: 60 ft diameter x 20 ft bed depth, 56,500 ft³

Design Conditions:

Flow: 0.7 mgd

Influent BOD: 1100—1500 mg/l

% BOD Removal: > 70%

Upstream equipment:

DAF and Clarifier (removing FOG and potato peelings)

Downstream equipment:

Discharge to city

Engineer: MRV

Year Installed: 1998

Wastewater Type: 100% Industrial (Corn / Potato Chip Processing Plant)