

PROJECT PROFILE

Project Name:

Floating Wetlands for
Industrial Water Treatment

Project Customer:

Charcoal Company

Project Location:

Belle, Missouri

Martin EcoSystems Product:

Floating Treatment Wetland

Application:

Reduction of
Total Suspended Solids



Application Summary

The Client approached Martin Ecosystems in 2015 because their permit for Total Suspended Solids was being reduced by half for the following year. They were interested in using Floating Treatment Wetlands, a sustainable green product to achieve their new regulations. Floating Treatment Wetlands would filter the water in their treatment pond and reduce the Total Suspended Solids (TSS) in the secondary Treatment Lagoon prior to discharging. Floating Treatment Wetlands were a more cost effective option than constructed wetlands or creating a holding basin.

Solution

In 2015, Floating Treatment Wetlands were installed. The Floating Treatment Wetlands have been so effective in removing TSS from the pond, the facility installed a second set of Floating Treatment Wetlands in the spring of 2017. The initial Floating Treatment Wetlands have reduced TSS by over 50%. The Client believes that FTWs have the potential of becoming a best practice to be applied at their other facilities.

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