

Amports

Baltimore, Maryland



Featured Product(s):

Beemats Floating Wetlands

Product Advantages:

- Sequesters excess bioavailable nutrients in the water column.
- Competes with invasive species using native plants.
- Can be utilized in new construction or retrofits.
- Periodic maintenance ensures success of project.
- Included reports shows the removed nutrients.

The Challenge

Amports is an auto import facility in Baltimore that immediately discharges into the Chesapeake Bay. This pond is the drainage basin for the massively paved parking lot around it which stores all the newly imported vehicles until they are hauled away. Driving, storing, and loading these vehicles as a daily occurrence led to loading the pond with nutrients, chemicals, and pollutants from freshly built automobiles. This was alarming to the regulation bodies in charge of the facility as the pond had no filter before dumping into the Chesapeake.

The Solution

We installed a biological filter to improve water quality before it leaves the property. On the floating islands we utilized a monoculture of *Spartina Paten* grass as it has been shown to store the targeted pollutants in its plant tissues while also surviving the frozen winters of Baltimore.

Due to the highly customizable mat design, we deviated from our usual round island shapes to a long strip design attached to the metal bulkhead surrounding the pond. This was achieved by building hinged fiberglass rods that attached to the wall and allowed the mats to fluctuate with the water level.

For more information, contact one of our experts:

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