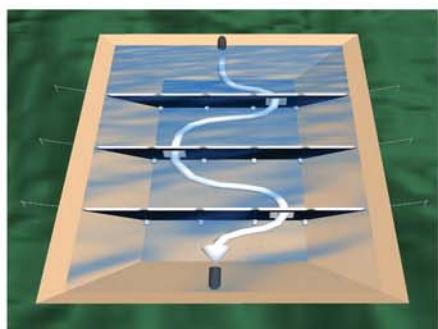


SHORT CIRCUIT WITHOUT BAFFLES



IMPROVED TREATMENT WITH BAFFLES

### **ECONOMICAL ALTERNATIVE TO EARTHEN BERMS**

*DIRECTOR I*<sup>TM</sup> Floating Baffles offer a cost effective alternative to expensive earthen berms. Baffles create hydraulic flow patterns to guide wastewater in a serpentine route from the influent source to the effluent outlet, improving aeration and allowing contaminants to settle. A properly designed baffle system can increase the effective treatment area of a lagoon to over 95 percent. Static zones are eliminated and Biological Oxygen Demand (BOD) and Total Suspended Solids (TSS) levels are dramatically reduced. The simple, cost effective system is ideal for transforming an existing single stage treatment lagoon into a high performance multi-staged treatment process.

#### **PREVENT SHORT CIRCUITING**

- Increase Hydraulic Retention Time
- Maximize Effective Treatment Area
- Allow Total Suspended Solids to Settle
- Eliminate Static Zones

#### **CREATE MULTICELL LAGOONS**

- Separate Complete Mix, Partial Mix, and Settling Zones
- Create Dual Power Multicell Lagoons

#### **REDUCE ENERGY COSTS**

- Direct Flow to Activated Aeration Zones
- Increase the Effective Treatment Area
- Reduce Biological Oxygen Demand
- Improve Natural Aeration

# **DIRECTOR I**

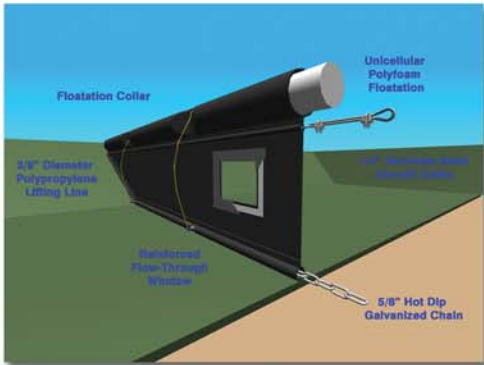
## **Floating Baffles**



CREATE MULTICELL LAGOONS



PREVENT SHORT CIRCUITING



FLOATING BAFFLE COMPONENTS



QUICK INSTALLATION

### **CUSTOM BUILT FOR YOUR LAGOON**

Every *DIRECTOR I*<sup>™</sup> Floating Baffle is custom designed and built to fit your specific lagoon profile. With nearly 40 years of fabrication experience with geomembrane materials and floating baffle components, Environetics has developed a variety of exclusive details and accessories to ensure that our *DIRECTOR I*<sup>™</sup> Floating Baffle system will meet your project requirements. Consult our Design Department for material specifications, design details, and expert advice regarding to your lagoon baffle project.

### **FLOATING BAFFLE DESIGN FEATURES**

#### **FLOATING BAFFLE SYSTEM CONFIGURATIONS**

- Mitered Ends to Match Lagoon Slopes
- Flow-Through Baffle Windows
- Flow Around Baffle Ends
- Flow Under Baffles
- Surface Trash and Debris Collection Baffles
- Flow-Through Perforated Baffles
- Post Anchored Floating Baffles

#### **FLOATING BAFFLE SYSTEM COMPONENTS**

- Field Proven Reinforced Geomembrane Baffle Curtain Materials
- Superior UV and Chemical Resistance
- Encapsulated Unicellular Polyfoam Flotation Collar
- Stainless Steel or Aluminum Components and Hardware
- Reinforced Flow-Through Windows
- Encapsulated 5/8" Hot Dipped Galvanized Chain Ballast
- 3/8" Polypropylene Ballast Lifting Lines
- Bolt-Through End Connectors for Extended Baffle Lengths
- Bolt-Through End Connectors for Complex Baffle Intersections
- Lined Lagoon End Connector Covers
- Wind Anchor Hardware
- Berm Post Winches
- Pipe Penetration Boots

### **TURNKEY INSTALLATION**

*DIRECTOR I*<sup>™</sup> Floating Baffles install quickly and easily. Most baffle systems can be installed in a few hours. Baffles ship ready to deploy with the baffle curtain tied around the flotation collar. Simply float the end of the baffle across the lagoon and attach the ends to the anchor posts. Then remove the curtain ties to allow the curtain to sink to the bottom of the lagoon. Environetics offers full turnkey installation of our *DIRECTOR I*<sup>™</sup> Floating Baffle system.

