



Introducing the Ozonix[®] Sentinel



ECOSPHERE
TECHNOLOGIES INC.

 **MADE IN
THE USA**

Ozonix® Sentinel

Fact Sheet

General Overview

The world's first non-chemical water treatment solution for cleaning up endangered rivers and high-risk lakes of the world. Designed around Ecosphere's multi-patented and proven Ozonix® water treatment technology, the Sentinel is **the first water treatment vessel of its kind** to be able to treat high-volumes of water in rivers, lakes, lagoons and estuaries that have been contaminated as a result of manmade and natural events.



Product Features & Benefits

- **High Volume:** A single Ozonix® Sentinel has the ability to process thousands of gallons of contaminated water per minute – enriching lakes and rivers with a highly oxygenated fluid that is capable of destroying persistent algae blooms and highly resistant bacteria colonies.
- **Strong ORP:** Oxygen Reduction Potential (ORP) measures the ability of a lake or river to cleanse itself or break down contaminants such as algae blooms, dead plants, animals waste byproducts and industrial pollution. In general, the higher the ORP value, the healthier the lake or river is. Ozonix® takes low ORP fluid (0-200) and turns it into a high ORP fluid (300-500) which in return brings lakes and rivers back to life.
- **Environmentally Safe Oxidant:** Ecosphere's patented Ozonix® technology produces highly reactive bacteria killing hydroxyl radicals (OH·). Hydroxyl radicals are important to water disinfection because they have a high oxidation potential of 2.80V, which is much higher than the most common disinfectants, Ozone (2.07 V) and Chlorine (1.36 V).
- **Cost-Effective:** The Ozonix® Sentinel is the most cost-effective, dynamic treatment solution for treating very large bodies of water and precious natural resources that have been contaminated as a result of excessive nutrient loading from agricultural runoff and industry generated wastewaters.
- **Scalable:** Due to its high-volume, low-footprint configuration, Ecosphere's patented Ozonix® technology can be scaled up and down to meet a wide range of volume requirements.
- **Versatile:** The Ozonix® Sentinel has been designed utilizing a modular construction technique that allows Ecosphere to assemble a wide variety of different barge size configurations for different types of treatment scenarios.
- **Patented & Proven:** Ecosphere's multi-patented Ozonix® technology is protected by 23 approved and pending United States patents and has been successfully proven on over 5 billion gallons of water treated to date.

Endangered Rivers & Lakes of The World

- **Indian River Lagoon** (Florida)
- **Potomac River** (Mid-Atlantic United States)
- **Harpeth River** (Tennessee)
- **Onondaga Lake** (New York)
- **Ganges River** (India and Bangladesh)
- **Indus River** (Pakistan, India and China)
- **Yangtze River** (China)
- **And many more**

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Protected by U.S. Patent Nos. 7,699,994; 7,699,988; 7,785,470; 7,943,087; 8,318,027; 8,721,898; 8,858,064; 8,936,392; 8,906,242; 8,968,577; 8,999,154; Numerous Patents Pending
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