

Ecosphere Technologies Receives 13th U.S. Patent for OZONIX(R) Advanced Oxidation Process Technology

Patent Relates Specifically to the Treatment of Coal Gasification Fly Ash

STUART, FL -- (Marketwired) -- 11/02/15 -- Ecosphere Technologies, Inc. (OTCQB: ESPH), a technology development and intellectual property licensing company, today announced that the United States Patent and Trademark Office (USPTO) has approved a 13th patent for Ecosphere's revolutionary OZONIX® Advanced Oxidation Process (AOP) technology.

On October 27, 2015, the USPTO issued a formal Notice of Allowance for **Patent # 9,169,146**, which relates to the field of fluid treatment and, in particular, to an improved treatment apparatus for destroying organic and heavy metal contaminants in fluids used in coal gasification processes and conditioning of said fluid for reuse.

The treatment system provides a cost efficient and environmentally friendly process and apparatus for cleaning and recycling fluids as contaminated as coal slurry, as well as other types of fluids having various levels of contaminants such as aerobic and anaerobic bacteria and suspended solids. The volatile organic compounds are reduced to an acceptable level without the use of acids, ion exchange materials, or anti scaling chemicals which is of economical and environmental significance and benefit.

Coal fly ash, also referred to as coal combustion residuals or CCRs, is produced when coal is burned in coal-fired power plants. It is made up of fly ash, bottom ash, boiler slag and flue gas desulfurization material and contains various contaminants such as mercury, cadmium and arsenic. Left untreated, most fly ash is disposed of in landfills and holding ponds where they create further problems for the environment and surrounding communities. According to the U.S. Environmental Protection Agency (EPA), Coal Ash is one of the largest types of industrial waste generated in the United States with an estimated 470 coal-fired electric utilities generating approximately 100 million tons of Coal Ash per year.

"Ecosphere's patented OZONIX® process makes Ozone (O₃), a proven disinfection method, much more cost-effective than using it by itself", stated Dennis McGuire, Ecosphere Chairman and CEO. "More importantly, OZONIX® can be transported to the actual site where contamination is and leaves no residual chemistries in the water as opposed to the Health, Safety and Environmental (HSE) issues associated with transporting and using hazardous chemicals."

McGuire continued, "Ecosphere's business model is to license our environmentally compliant technologies to strategic, well positioned engineering and water treatment companies that wish to address major environmental remediation projects with a patented and proven, Ozone-based Advanced Oxidation Process (AOP). With over 5 billion gallons of water treated to date, OZONIX® is the most cost-effective, environmentally sustainable solution for wastewater treatment applications that contain heavy metals and high microbial loads."

About OZONIX®

Ecosphere's multi-patented OZONIX® technology, a revolutionary Ozone-Based Advanced Oxidation Process (AOP), has enabled customers to treat, recycle and reuse over 5 Billion gallons of water on more than 1,500 oil and natural gas wells in the United States and Canada, while eliminating millions of gallons of liquid chemicals and generating over \$70 million in equipment sales, service and licensing revenue. With expanded customer adoption in the United States, Canada, Brazil and most recently Malaysia, our customers and licensees are treating waters in the Oil and Gas, Food & Beverage, Landfill Leachate, Marine Port & Terminal and Industrial Wastewater treatment industries. The Company has also manufactured and deployed approximately 55 OZONIX® machines to date for a wide variety of customers and licensing partners.

Ecosphere's patented OZONIX® technology is protected by U.S. Patent No's. 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; 9,034,180; 9,169,146

and can be licensed through [ICAP Patent Brokerage](#) for specific field-of-use water treatment applications in the United States and around the world.

For more information on Ecosphere's patented OZONIX® technology, please visit <http://www.ecospheretechnology.com/environmental-engineering-technologies/ozonix>

To download a PDF brochure on Ecosphere's patented OZONIX® technology, please visit https://d1io3yog0oux5.cloudfront.net/esph2/db/Fact+Sheets/5854/file/03.2015_Ecosphere_Ozonix_Technology.pdf

For more information on Licensing Opportunities for Ecosphere's patented OZONIX® technology, please visit <http://www.ecospheretechnology.com/environmental-engineering-technologies/licensing-opportunities>

About Ecosphere Technologies

Ecosphere Technologies, Inc. (OTCQB: ESPH) is a technology development and intellectual property licensing company that develops environmental solutions for global water, energy and industrial markets. We help industry increase production, reduce costs, and protect the environment through a portfolio of unique, patented technologies: technologies like Ozonix®, the Ecos PowerCube® and our recently announced Ecos GrowCube™, which are available for exclusive and nonexclusive licensing opportunities across a wide range of industries and applications throughout the world.

For more information, please visit <http://www.ecospheretechnology.com>

To receive timely information on Ecosphere Technologies, sign up for Ecosphere's email news alert system at <http://www.ESPH-IR.com>.

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