2254 Centennial Road, Toledo, Ohio 43617 | 419-535-6374 | info@nviro.com

Executive Summary

N-Viro International Corporation, founded in 1993 in Toledo, Ohio, is a technology, service, and process handling firm specializing in resource conversion. For over a decade, the company has been a leader in the process conversion of bioorganic materials. N-Viro International Corporation integrates advanced technology with 21st-century design for successful commercial application of its renewable energy product, N-Viro Fuel™.

The N-Viro International Corporation industry brand recognition, strategic alliances in the United States and in the international marketplace and patented technological innovations are its distinctive assets; its vision is to produce a renewable energy resource to sustain a green energy future. With more than two decades of management experience, N-Viro International Corporation is poised for the commercial application of its renewable energy product, N-Viro Fuel™.

Our business strategy is to construct, own, and operate facilities to manufacture N-Viro Fuel™, a biomass-derived fuel used to co-fire with coal in electric power generating stations. N-Viro International Corporation holds exclusive rights to the fuel technology in the United States and several foreign countries.

N-Viro Fuel™ Description

N-Viro Fuel™ is a patented biomass-derived fuel that is the result of alkaline stabilization of organic wastes with mineral by-products, such as coal fly ash, cement kiln dust, and lime kiln dust. (The stabilization process generates a dry, granular, completely disinfected and safely disposable product.) Organic wastes that can be converted to N-Viro Fuel™ include: municipal sewage sludge, animal manure, pulp and paper sludge, food processing wastes and fermentation by-products. N-Viro Fuel™ produces a long-term disposal solution with a positive environmental impact, and the converted waste has a high market value.

N-Viro Fuel™ has been shown in full-scale pilot operations to be compatible with coal in commercial boilers; N-Viro Fuel™ was successfully tested as a substitute for coal mix and co-fired with coal at the T.B. Simon Power Plant on the campus of Michigan State University, United States in 2007. In that testing, optimum boiler performance was maintained, air emissions were within regulatory limits, and ash chemistry was unchanged. (Although fluidized bed boilers are the preferred design, pulverized coal (PC) and multiple hearth boilers are also suitable.)

Burning N-Viro Fuel™ with coal at existing coal-fired power plants avoids the capital expense of building stand-alone biomass plants. The coal-fired plant is able to lower its carbon footprint by substituting part of the coal feed with a renewable biomass fuel, and the characteristics of N-Viro Fuel™ reduce SO_X and NO_x emissions.

N-Viro Fuel™ has been recognized by the Environmental Protection Agency as a biomass-derived fuel, and is a patent protected technology recognized in the industry as a reliable, quality product. N-Viro Fuel™ will satisfy consumer needs that are not met in the current market by developing a cost-effective alternative fuel from accessible natural resources that reduce carbon emissions, while conserving energy and enhancing energy independence.