

TECHNOLOGY

Plastics Create Oil With Energy to Spare

NewsUSA

(NU) - America's quest to reduce its fuel consumption and dependence on foreign oil may lead it to look for energy sources in new places – like the bottom of a trash barrel.

JB1, Inc. (OTCBB:JBII), a global technology company, has developed a process, called Plastic2Oil (P2O), that converts raw, unwashed, unsorted plastic waste into a fuel similar to biofuel. In April 2010, an independent laboratory, Islechem, validated the P2O process through extensive chemical, analytical and process engineering testing.

Islechem tested the process over 40 times using multicolored, mixed plastics. The laboratory determined that the P2O process is repeatable and can be done on a large scale. Approximately 85 to 90 percent of the hydrocarbon composition in the feedstock is converted into a “near diesel” fuel, while about 8 percent is converted to a usable off gas much like natural gas. In addition, only 1 percent of the plastic becomes residue, and that residue does not contain any highly toxic elements and is safe for landfill disposal. Even better, more energy is produced than consumed by the process. Early data suggest that the process creates twice as much energy as it uses.

“It takes energy to produce energy. The key is to get more energy from the final product than it takes to make it,” said JB1, Inc. CEO John Bordyniuk. “Our process has a high positive energy balance of 2.0, while gasoline from crude has a negative energy balance of 0.81.”



There might be a better way to recycle plastic.

The fuel produced by the P2O process has another major advantage over gasoline from crude oil – its production, including labor, costs only about \$10 a barrel.

Gasoline from crude oil uses more energy than it produces and currently costs between \$75 and \$85 a barrel – and yet gasoline companies yield high profits. A process like P2O could revolutionize the market by creating high-quality fuel at much lower costs, while also helping to reduce the amount of plastic that becomes pollution or ends up in landfills.

JB1, Inc. is currently in talks to create P2O processing facilities in Europe, Florida, New York, California, Colorado, Wisconsin, Georgia and Ohio. The company is also looking for waste disposal or recycling companies, and people with under-utilized facilities to convert into P2O factories. For more information, visit www.plastic2oil.com or www.jbiglobal.com.