

December 15, 2009



## Mini-Report

# Raven Biofuels International Corp

### Company Overview

Raven Biofuels International Corp (“Raven”) is a development-stage alternative energy company which is developing a technology to produce cellulosic ethanol to be used as fuel for vehicles (a second generation biofuel). The company boasts that the technology is a result of a \$24 million R&D investment (although it didn’t develop the technology itself). Raven reports that it has identified two sites for its plants in British Columbia, Canada, and Mississippi, USA, and it believes it can produce ethanol at about \$1 per gallon.

In a recent press release, Raven announced the final stages of evaluation of a site and other developments for its planned cellulosic ethanol biorefinery located in the Gulf Opportunity Zone (GO Zone) of Mississippi. The proposed site is beneficially located adjacent to the Red Hills Power Plant that could supply the necessary steam and power for the biorefinery. The proposed biorefinery will have a planned output of up to 33 million gallons per year (MGPY), based on a projected 21 MGPY of fuel grade ethanol and 12 MGPY of specialty organic chemicals, plus lignin cake.

Earlier in 2009, Raven announced that it had entered into a letter of Intent with the Kamloops Indian Band for a jointly funded biorefinery in Kamloops British Columbia. The agreement provided for initial funding for engineering by both parties and joint equity funding for the project. A site has been identified within the Kamloops Indian Band territory on the Thompson River.

### Industry Highlights

The market fundamentals are strong for Raven:

- the switch to alternative fuels is inevitable;
- second generation biofuels do not compete for food resources and are less damaging to the environment than first generation ethanol (derived mostly from corn);
- energy security goals demand locally produced fuel in many countries;
- ethanol is easier (and cheaper) to implement than electric or hydrogen technologies which require new vehicles;
- government funding is available for alternative energy projects;
- in many countries ethanol is being introduced as a required fuel additive and its share in the fuel blend is being increased.

## Share performance:<sup>1</sup>

Recent price (USD): 0.11

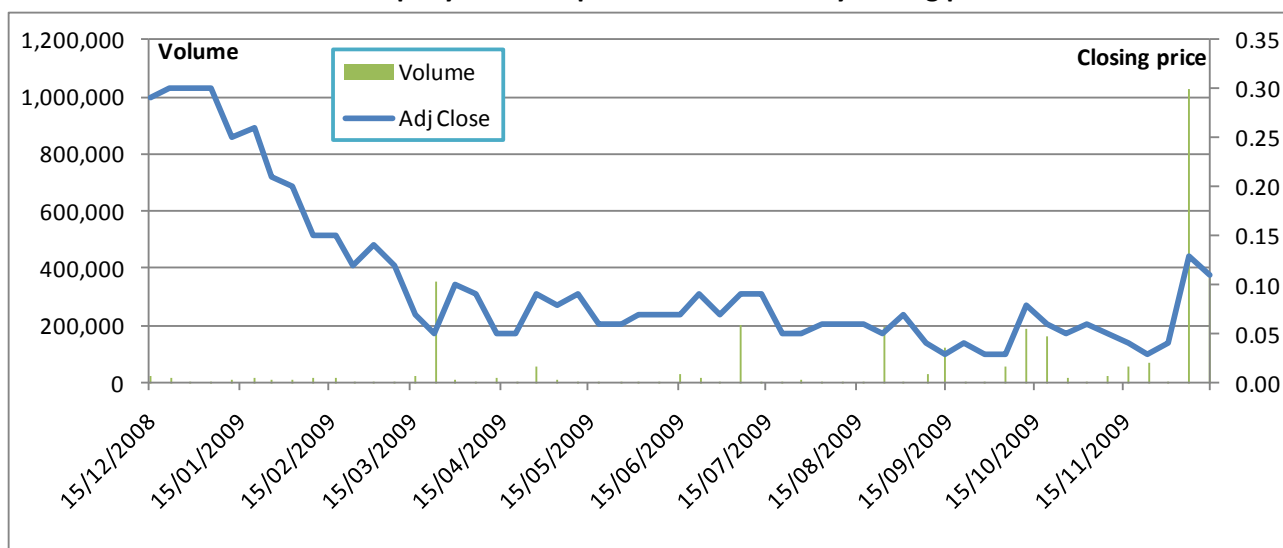
52 week low (USD): 0.01

52 week high (USD): 0.30

Market capitalization (USD): 5.8M

Shares outstanding: 52.6M

### Raven Biofuels International Corp 1-year share performance – weekly closing price and volume:



Source: Yahoo! Finance

### Disclaimer

The opinions expressed in this research report are analyst's personal views about the company. Opinions and recommendations contained in this report are submitted solely for advisory and information purposes and are not intended as an offering or a solicitation to buy or sell the securities mentioned above. Neither the analyst nor SafeHarborResearch.com owns any equity or debt securities in the analyzed company.

<sup>1</sup> Source: Reuters, SEC filings