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For Immediate Release

TSX-V: WEE

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WAVEFRONT ENERGY & ENVIRONMENTAL SERVICES INC.

POWERWAVE DRIVES CO2 FLOOD

EDMONTON, Alta Jan 5, 2009/ Wavefront Energy and Environmental Services Inc. ("Wavefront"), a world leader in fluid injection technology for improved/enhanced oil recovery and groundwater restoration is pleased to announce that the Gulf Coast region, Powerwave-driven CO2 flood first announced October 15, 2008 has been initiated.

Wavefront President and CEO Brett Davidson stated, "Today's fluctuating oil prices are placing oil companies under increased pressure to reduce operating costs while optimizing recovery. Powerwave allows oil companies to maximize value from their oil production operations by "rescuing stranded oil" trapped in inaccessible nooks and crannies of the producing reservoir. Compared to the economic and environmental cost of drilling more oil wells, Powerwave increases overall oil recovery with minimal investment."

Wavefront also announces that the Company will file, in accordance with TSX Venture Exchange policy, a Summary Form disclosing the granting of an aggregate of 600,000 incentive stock options pursuant to the Company's Stock Option Plan. Of the 600,000 incentive stock options being granted, 500,000 incentive stock options are being granted to management and four directors of Wavefront. The options will be exercisable at a price of \$0.54 per share, for a period of five years. The options are subject to a hold period of 4 months and vesting period of 18 months, in accordance with the Company's Stock Option Plan and Exchange policy.

About Wavefront Energy and Environmental Services Inc.

Wavefront is a technology-based company with a focused, strategic plan to leverage the value of our intellectual property in order to maximize oil production recovery operations, as well as provide additional solutions for environmental applications.

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ON BEHALF OF THE BOARD OF DIRECTORS

WAVEFRONT ENERGY AND ENVIRONMENTAL SERVICES INC.

"D. Brad Paterson" (signed)

D. Brad Paterson, CFO & Director

Cautionary Disclaimer – Forward Looking Statements

Certain statements contained herein regarding Wavefront and its operations constitute "forward-looking statements" within the meaning of Canadian securities laws and the United States Private Securities Litigation Reform Act of 1995. All statements that are not historical facts, including without limitation statements regarding future estimates, plans, objectives, assumptions or expectations or future performance, are "forward-looking statements". In some cases, forward-looking statements can be identified by terminology such as "may", "will", "should", "expect", "plan", "anticipate", "believe", "estimate", "predict", "potential", "continue" or the negative of these terms or other comparable terminology. We caution that such "forward-looking statements" involve known and unknown risks and uncertainties that could cause actual results and future events to differ materially from those anticipated in such statements. Such factors include fluctuations in the acceptance rates of Wavefront's Powerwave and Primawave Processes, demand for products and services, fluctuations in the market for oil and gas related products and services, the ability of Wavefront to attract and maintain key personnel, technology changes, global political and economic conditions, and other factors that were described in further detail in Wavefront's continuous disclosure filings, available on SEDAR at www.sedar.com. Wavefront expressly disclaims any obligation to up-date any "forward-looking statements", other than as required by law.

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