



www.onthewavefront.com

For Immediate Release

TSX-V: WEE

Pink Sheets: WEESF

WAVEFRONT ENERGY & ENVIRONMENTAL SERVICES INC.

**POWERWAVE INSTALLATIONS GENERATE SIGNIFICANT
INCREASE IN OIL RECOVERY AND REVENUES**

EDMONTON, Alta Dec 01, 2008/ 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 significant, positive results have been realized from three Powerwave installations, operational since October 2007 with an international oil producer in Alberta.

In the 12-month period ending October 2008, incremental oil production from the three Powerwave injection patterns totaled almost 14,500 barrels of oil. This level of increased oil recovery is above that which would have been produced based on the natural production decline rate established for the 16 production wells influenced by Powerwave within the injection patterns.

"The incremental oil produced to date in the Alberta Powerwave project is considerable and clearly demonstrates Powerwave's ability to boost oil production from aging waterfloods," said Wavefront President and CEO Brett Davidson. "The results confirm that the cost of Powerwave implementation is low compared to the returns. The cumulative cash flow resulting from twelve months of increased production in the longest running commercial Powerwave project is an indication of the solid case for considering the use of Powerwave in all flooding approaches. Wavefront is working closely with the Alberta oil producer to assess the optimal placement of subsequent Powerwave systems on order for the field."

Wavefront is also pleased to announce that the installation of four Powerwave systems with an Alberta-based energy trust first announced June 9, 2008 has now been completed. The goal of this Powerwave program is to improve the distribution of the injected water to contact more of the in-place oil to improve overall recovery. Based on results elsewhere Wavefront anticipates a positive response in the Powerwave-driven waterflood area.

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 and to maximize oil production recovery operations, as well as provide additional solutions for environmental applications.

For further information please contact: D. Brad Paterson, CFO
780-486-2222 x224 Tel
investor.info@onthewavefront.com

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.

THE TSX VENTURE EXCHANGE NEITHER APPROVES NOR DISAPPROVES THE CONTENTS OF THIS
RELEASE WHICH WAS PREPARED SOLELY AT THE DISCRETION OF MANAGEMENT