

For Immediate Release
Attention Business/Energy Editors

TSX-V: WEE
Pink Sheets: WEESF

**WAVEFRONT TECHNOLOGY SOLUTIONS INC.
PRIMAWAVE CLEANS UP CONTAMINATED GROUNDWATER
IN FOUR CITIES ACROSS NORTH AMERICA**

EDMONTON, Alta, Sept. 4, 2009 - Wavefront Technology Solutions Inc. ("Wavefront"), a world leader in providing innovative solutions for increasing oil field production and enhancing the treatment of contaminated groundwater, announces that four Primawave injection programs have been completed in the past ten days.

Primawave was used to inject remedial liquids to clean up contaminated groundwater resulting from military, industrial, and retail activities in Salt Lake City, UT, New York City, NY, Montreal, QC, and Edmonton, AB.

"The growing list of Primawave adopters is a testament to the efficiency and cost savings Primawave brings to the injection of remedial fluids into difficult subsurface conditions," said Wavefront President and CEO Brett Davidson. "Primawave's approach is less costly and more effective than conventional approaches, and excels at overcoming challenges posed by varied soil conditions. We look forward to expanding the network of Primawave accredited users across the globe."

Wavefront also announces that it has entered into a financial consulting agreement with Robertson Walters Investment Capital Corp., based in Toronto, Canada. Under the agreement Robertson's will be paid \$5,000 per month and provide a market services program as well as general financial consulting services. The term of the agreement is initially for a period of 12 months but may be cancelled with 30 days notice.

In addition, the Company also wishes to announce that it will file, in accordance with TSX Venture Exchange policy, a Summary Form disclosing the granting of an aggregate of 245,000 incentive stock options pursuant to the Wavefront's Stock Option Plan. The stock options are being issued to the six directors of the Company. The options will be exercisable at a price of \$0.72 per share, or other such other price as allowed by the TSX Venture Exchange, for a period of five years. In accordance with Wavefront's Stock Option Plan and Exchange policy, the incentive stock options are subject to a hold period of 4 months and vesting period of 18 months.

About Wavefront Technology Solutions Inc.

Wavefront specializes in designing and developing leading-edge techniques for oil well stimulation, improved oil recovery, and environmental groundwater remediation.

For further information please contact:

D. Brad Paterson, CFO
Tel: 780-486-2222 x224
investor.info@onthewavefront.com

ON BEHALF OF THE BOARD OF DIRECTORS

WAVEFRONT TECHNOLOGY SOLUTIONS 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**