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WAVEFRONT ENERGY & ENVIRONMENTAL SERVICES INC.

PENGROWTH TO APPLY THE POWERWAVE™ PROCESS

EDMONTON, Alta July 31, 2007/ Wavefront Energy and Environmental Services Inc. (“Wavefront”), a leader in technology development and implementation for improved oil recovery and optimized groundwater remediation is pleased to announce that it has entered into a pre-commercialization agreement with the heavy oil business unit of Pengrowth Corporation (“Pengrowth”) to implement the Powerwave Process in an active waterflood.

Initially three, (3) Powerwave Mantis tool systems will be installed at an undisclosed Pengrowth operation in Alberta. Pengrowth’s interest in Powerwave is to improve water injection rates and achieve more uniform water distribution in the reservoir as a means of increasing overall oil recovery.

Wavefront President and CEO Brett Davidson stated, “As one of North America’s leading energy income trusts and we are very pleased that the heavy oil business unit of Pengrowth has chosen to apply Powerwave. Pengrowth now joins Encana and ARG Resources to the growing list of oil producers who have entered into agreements with Wavefront to utilize Powerwave to unlock more oil from their reservoirs. Wavefront continues to pursue additional high-profile opportunities and anticipate similar announcements in the coming weeks.”

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.

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.

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