

Wavefront Energy and Environmental Services Inc.
Update

EDMONTON, Alta October 21, 2004 Wavefront Energy and Environmental Services Inc. (TSX Venture Exchange: WEE), wishes to update shareholders on its focused strategic plan to advance its core technology, Pressure Pulse Technology (PPT) in the oil industry. Management believes PPT is very timely given current crude oil prices and the overriding concern amongst oil analysts regarding the world's scarce surplus production capacity, or oil supply buffer.

PPT entails using a downhole tool to create low amplitude fluid pressure waves in the reservoir thereby improving the efficiency of fluid injection and mobility. PPT has shown indications of *increased oil production and increased oil cuts*. The Company is currently in discussions with several major oil companies regarding the potential installation of PPT systems in waterflood projects throughout North America. Additionally, the Company is also pursuing opportunities for the application of PPT to improve the effectiveness of reservoir acidizing and diversion, and oil field produced water disposal.

The Company also wishes to advise that it has identified opportunities for the acquisition of mineral rights, and joint ventures, which may be deemed economically suitable for the application of PPT. Currently the Company is assessing several reservoirs in Texas, Wyoming, and Montana. The acquisition of properties and joint ventures is in keeping with the Company's strategy for maximizing the economic potential of PPT outlined in a previous announcement dated June 30, 2004.

While the Company is advancing its PPT initiatives, it continues to seek additional opportunities in reservoir monitoring. The Company is entering the fabrication stage of its proprietary designs for the installation of the monitoring projects that were announced on July 26 and 27, 2004 respectively. With the completion of these projects, the Company will recognize revenue of approximately \$800,000.

About Wavefront Energy and Environmental Services Inc.

Wavefront develops, markets, and licenses proprietary technologies in the energy and environmental sectors. The company's *Pressure Pulse Technology* for fluid flow optimization has been demonstrated to increase oil recovery. Within the environmental sector, *Pressure Pulse Technology* accelerates contaminant recovery and improves in-ground treatment of groundwater contaminants thereby reducing liabilities and restoring the site to its natural state more rapidly. Wavefront trades on the TSX Venture Exchange under the symbol WEE and the Company's website is www.onthewavefront.com.

For further information please contact:

D. Brad Paterson, CFO
780-486-2222 x224 Tel
bradp@onthewavefront.com

ON BEHALF OF THE BOARD OF DIRECTORS

WAVEFRONT ENERGY AND ENVIRONMENTAL SERVICES INC.

"D. Brad Paterson" (signed)

D. Brad Paterson, Director and CFO