



A Company Specializing in Environmental Protection and Remediation Technologies

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For Immediate Release

**ENPAR's AmmEL SYSTEM PERFORMS UP TO EXPECTATIONS DURING
THE FIRST PHASE OF THE EVALUATION BY THE CITY OF EDMONTON'S
WASTE MANAGEMENT CENTRE OF EXCELLENCE**

ENPAR Technologies Inc. ("ENPAR" or "the Company") is pleased to announce that the first phase of testing of its AmmEL-HC System at the City of Edmonton's Wastewater Research and Training Centre located at the Gold Bar Wastewater Treatment Plant has been extremely successful. The AmmEL-HC System is a state-of-the-art, electrochemical wastewater treatment technology which converts toxic ammonia directly to environmentally friendly nitrogen gas. Effective management of waste streams containing high levels of ammonia will enable municipalities to achieve year-round compliance with government mandated environmental standards and regulations.

The first stage of the testing was conducted by Mr. Sam Su, a M.Sc. student working under the direction of Dr. Ian Buchanan, Associate Professor, Environmental Engineering Group, Department of Civil and Environmental Engineering, University of Alberta. Based on the positive findings of Mr. Su, ENPAR conducted an optimization program designed to reduce the overall operating cost for centrate/filtrate waste waters ranging in temperature from 8 to 24 °C. The optimization process was successful in reducing the operating cost by 33% from a mean of \$7.17 to \$4.79 per cubic meter of water treated. The water contains extremely high ammonia levels ranging from 1 to 1.2 kilogram of ammonia per cubic meter. These levels are approximately 40 times the normal concentration of ammonia in municipal waste water where the estimated operating costs for a biological system averages \$1.00 per cubic meter. The AmmEL-HC system removes 40 times the normal amount of ammonia for only 5 times the normal operating cost.

As predicted, the AmmEL system performed extremely well clearly demonstrating the system's effectiveness at treating high ammonia waste streams. ENPAR believes that the implementation of a full scale system would effectively address the ammonia problem that the City of Edmonton experiences during the colder months of the year.

The next phase of testing will involve treating centrate from the anaerobic digester. Modeling indicates that the operating cost will drop further to \$4.25 per cubic meter as the temperature of the effluent averages 35 °C and increased temperature is known to enhance the removal of ammonia from the waste stream during the first stage of the treatment process.

ENPAR anticipates that successful testing will result in commercial installations within the near future.

ENPAR is a "Technology Company" applying its patented and proprietary "Electrochemical Technologies" to the treatment of waste water and drinking water contaminated by metals or nutrients i.e., nitrate/ammonia associated with the mining, metal processing, chemical, agricultural, municipal and waste management sectors. The common shares trade on Tier II of the TSX Venture Exchange under the symbol "ENP".

The TSX Venture Exchange has neither approved nor disapproved of the contents of this news release.

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