

EnviroGold Global Achieves Major Process Optimisation Breakthrough, Doubling Project Economics and Enhancing Environmental Performance

TORONTO, CANADA – February 4, 2025 - EnviroGold Global Limited (CSE: NVRO | OTCQB: ESGLF | FSE: YGK) (“EnviroGold,” or the “Company”), a clean technology company that monetises mine waste and tailings while reducing environmental and social liabilities, has doubled project NPV₁₀ and internal rate of return following process optimisation and pre-concentration test work for a US based client. The pre-concentration achieved 87% gold recovery into 27.8% of the initial mass, with other targeted metals achieving 78% recovery.

Key Technical Outcomes:

- **Pre-Concentration Efficiency:** Achieved 87% gold recovery and 78% recovery of other targeted metals into 27.8% of the initial mass.
- **Reduced Plant Scale:** The tailings volume throughput remains at nameplate capacity of one million tonnes per annum, with only 30% of the feedstock volume requiring leaching in the NVRO Process following pre-concentration.
- **Reduced CAPEX and OPEX:** A 70% reduction in leach plant scale leads to significant CAPEX and OPEX savings.
- **Economic Impact:** After factoring in additional equipment and associated operational costs, preliminary financial modelling indicates at least a twofold increase in project NPV₁₀ and internal rate of return.
- **Environmental Benefit:** By targeting sulphide recovery in pre-concentration and directing a high acid-neutralising component to waste, Net Acid Producing Potential (NAPP) in waste has been significantly reduced without additional neutralisation steps. The NVRO Process further consumes sulphides in its reaction pathway, leading to a substantial reduction in NAPP within NVRO Process waste streams.
- **Process Optimisation:** To further enhance project economics for clients, EnviroGold has engaged international technology Group ANDRITZ to simulate the NVRO Process using the industry leading IDEAS Simulation software. Learn more about IDEAS at www.andritz.com. This simulation will accelerate client specific process optimization, engineering, and right-sizing for end-to-end processing of sulphidic mine tailings.
- These developments further strengthen EnviroGold’s first mover advantage and accelerate the commercialisation of its highly efficient and scalable solution for processing mine tailings.



CEO, David Cam, commented: "In addition to the demonstrated outcomes of the NVRO Process, incorporating pre-concentration methodologies delivers significant economic, operational and environmental enhancements to our technology. The addition of the Andritz simulation software, combined with our ability to fast-track test work and feasibility studies through the EnviroGold Demonstration Plant, places the company in a stronger position to accelerate its commercialisation strategy."

About EnviroGold Global

EnviroGold Global is a technology company enabling the global mining industry to monetise valuable metals from mine waste and tailings and reduce environmental liabilities. EnviroGold's proprietary technology is at the leading edge of demand for precious and critical metals and greater social demand for better environmental outcomes. The Company operates on a technology license fee model with low capex requirements and intends to establish itself as a leading global technology company focused on shareholder value.

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Forward-Looking Statements

This news release contains "forward-looking statements" within the meaning of applicable securities laws, including, without limitation, earnings guidance, economic guidance, operational guidance and future capital spending amounts. All statements contained herein that are not clearly historical in nature may constitute forward-looking statements. Generally, such forward-looking information or forward-looking statements can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or may contain statements that certain actions, events or results "may", "could", "would", "might" or "will be taken", "will continue", "will occur" or "will be achieved". The forward-looking information and forward-looking statements contained herein include, but are not limited to, statements about the the Company's expectation of future commercial success and growth in its market position, the future financial outcomes of the Company based off current models and assumptions, the addition of the Andritz simulation software to improve the Company's future ability to commercialize its process, and the Company's ability to accelerate the world's transition to a circular resource economy. Forward-looking information in this news release are based on certain assumptions and expected future events, namely: the Company's ability to continue as a going concern; the continued commercial viability and growth in the clean technology and mining waste reprocessing industry; continued approval of the Company's activities by the relevant governmental and/or regulatory authorities; the continued development of clean technology and mining waste reprocessing technology; and the continued growth of the Company. These statements involve known and unknown risks, uncertainties and other factors, which may cause actual results, performance or achievements to differ materially from those expressed

or implied by such statements, including but not limited to: the potential inability of the Company to continue as a going concern; the Company's inability to accelerate the world's transition to a circular resource economy, the risks associated with assessing metallurgical recovery rates from mine tailings and waste and related volumetric assessments, the risks associated with the mining and mining waste recycling industry in general; increased competition in the clean technology and waste reprocessing market; the potential unviability of the clean technology and mining waste reprocessing market; incorrect assessment of the value and potential benefits of various transactions; risks associated with potential governmental and/or regulatory action with respect to clean technology and mining waste reprocessing; risks associated with a potential collapse in the value of clean technology and waste reprocessing; and risks relating to the Company's potential inability to expand its reprocessing pipeline.

Readers are cautioned that the foregoing list is not exhaustive. Readers are further cautioned not to place undue reliance on forward-looking statements, as there can be no assurance that the plans, intentions or expectations upon which they are placed will occur. Such information, although considered reasonable by management at the time of preparation, may prove to be incorrect and actual results may differ materially from those anticipated. Forward-looking statements contained in this news release are expressly qualified by this cautionary statement and reflect the Company's expectations as of the date hereof and are subject to change thereafter. The Company undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, estimates or opinions, future events or results or otherwise or to explain any material difference between subsequent actual events and such forward-looking information, except as required by applicable law.