# Alkemy launches Innovative 100% Recycled Plastic Sealing Protection in Landmark Hydroelectric Plant

*Will supply 330,000 square feet of a surface protector made of 100% recycled plastic bags to help seal 2.7 million cubic meters of water in the plant reservoirs*

BEIT SHEAN, Israel, August 12, 2021 – Alkemy (K.B. Recycling Industries Ltd.) (www.alkemy.solutions) ("**Alkemy**" or, the "**Company**"), (TSXV: AKMY), (TSXV: AKMY.WT), a leading environmental plastic recycling technology company, today announced it will supply sealing protection sheets made out of 100% recycled plastic to a landmark hydroelectric power plant built in Kochav Hayarden by one of the largest energy and real estate conglomerates in Israel.

The power plant will run on pumped-storage hydroelectricity technology – the most advanced method for energy storage. The complete project will span five years and approximately 330,000 square feet of the recycled plastic sealing surface protector will be used to seal the plant's two water reservoirs, which will hold 2.7 million cubic meters of water. Alkemy was selected as a supplier for this project in late June 2021.

Traditional power plants, such as coal and gas-fired plants, generate large amounts of excess electricity, which is discarded. In a hydroelectric power plant, excess electricity is used to raise water from a lower to an upper pool. The water converts back into electricity when it is released down to the lower pool.

In this project, the water in the top reservoir will flow through a vertical tunnel nearly 500 meters long into a 40 meter-high hall containing two turbines that will convert water power to electricity, supplying 150 megawatts each. When there is excess electricity in the network, the turbines rotate in the opposite direction, turning into pumps that raise the water back to the upper reservoir.

According to Shmulik Porre, Alkemy's CEO, "We are honored to supply the first ever sealing protector made of 100% recycled plastic bags for this advanced green electricity project. Although this is a small project by our scale, it cuts to the core of what we do: making our environment more sustainable."

**About Alkemy (K.B. Recycling Industries Ltd.)**
Alkemy is an environmental technology company based in Israel that has developed a unique plastic recycling process for plastic bags and sheets traditionally not considered economically viable for recycling, and as such, have become one of the largest plastic pollutants in the world.

Alkemy employs a dynamic one-step process that does not require separate recycling and production plants. Alkemy's process includes both recycling and finished product manufacturing in a single process called "waste-to-product", allowing Alkemy to reduce the cost of recycled plastic as raw materials, and increase the profit margin per metric ton.

**Forward-Looking Information**

This press release contains "forward-looking information" and "forward-looking statements" (collectively, "forward-looking information") within the meaning of applicable securities laws. Forward-looking information may relate to the Company's future financial outlook and anticipated events or results and may include information regarding the Company's financial position, business strategy, growth strategies, addressable markets, budgets, operations, financial results, taxes, dividend policy, plans and objectives. Particularly, information regarding the Company's expectations of future results, performance, achievements, prospects or opportunities or the markets in which the Company operates is forward-looking information. In some cases, forward-looking information can be identified by the use of forward-looking terminology such as "plans", "targets", "expects", "budgets", "scheduled", "estimates", "outlook", "forecasts", "projects", "prospects", "strategy", "intends", "anticipates", "believes", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might", or "will" occur. In addition, any statements that refer to expectations, intentions, projections or other characterizations of future events or circumstances contain forward-looking information. Statements containing forward-looking information are not historical facts but instead represent management's expectations, estimates and projections regarding future events or circumstances.

Forward-looking information is necessarily based on a number of opinions, estimates and assumptions that, while considered by the Company to be appropriate and reasonable as of the date of this press release, are subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information, including but not limited to, risks and uncertainties associated with market conditions and the satisfaction of all applicable regulatory requirements, as well as risks and uncertainties associated with the Company's business.

If any of these risks or uncertainties materialize, or if the opinions, estimates or assumptions underlying forward-looking information prove incorrect, actual results or future events might vary materially from those anticipated in such forward-looking information. The opinions, estimates or assumptions referred to above and the risk factors described in the "Risk Factors" section of the Management's Discussion and Analysis of the Company dated April 30, 2021 should be considered carefully.

Although the Company has attempted to identify important risk factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other risk factors not presently known to the Company that could also cause actual results or future events to differ materially from those expressed in such forward-looking information.

There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. The Company disclaims any intention or obligation or undertaking to update or revise any forward-looking information whether as a result of new information, future events or otherwise, except as required under applicable securities laws.



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