



PRESS RELEASE

TSX Venture: MAT

Matamec's Early Stage Metallurgical Work On The Kipawa Deposit

Montreal, April 26, 2010 - Matamec Explorations Inc. ("Matamec") is pleased to announce that it has begun acid bake test work aimed at recovering the Rare Earths and Zirconium from the Eudialyte zones of its Kipawa deposit, located on the Zeus property. This work, being conducted at SGS Lakefield, is in its early stages. The results obtained to date are encouraging.

Anthony Mariano (PhD geologist), Les Heymann (P.Eng), and Aline Leclerc, geologist (OGQ) and Matamec's Vice-President Exploration, are Matamec's Qualified Persons for this press release.

Anthony Mariano is a PhD geologist whom has an extensive field and laboratory experience in exploration and economic geology, spanning forty-nine years and in forty-eight different countries, including the exploration for rare earths–yttrium and rare metals such as niobium and tantalum. Between 1985 and 1990, he worked on the identification of eudialyte and other rare earth-bearing minerals at the Kipawa Alkalic Complex and since 2007, he has worked as a consultant for Matamec on the mineralogy of the Kipawa Alkalic Complex and building a rare earths network for the Company.

Les Heymann is a chemical engineer that has a long experience as a professional manager in the introduction of innovations to increase mineral processing plant efficiency and recovery, especially for Rare Earths. Among others, he has particular engineering expertise in the areas of leaching, flotation, solvent extraction and ion exchange. As Vice President Operations, he worked mainly in China between 1995 and 2001 for joint-venture partnerships on rare earth projects with AMR Technologies, Inter-Citic Mineral Technologies and two Chinese rare earths producing factories. Since 2008, he has worked as a consultant for Matamec, particularly for rare earths mineral processing and metallurgy.

Les and Anthony are members of the Strategic Committee for Rare Earths advising Matamec's Board of Directors.

About Matamec

Matamec explores for significant gold deposits in the Timmins mining camp in Ontario of which the Matheson Property (with Goldcorp) is the main target. In Quebec, the Company explores for precious and base metals on its Sakami, Valmont and Vulcain Properties. As well, Matamec is exploring for gold together with Northern Superior Resources Inc. on its Lespérance/Wachigabau Property.

Concurrently with the above mentioned exploration programs, Matamec's Quebec Tansim Property is also being explored for rare metals such as tantalum and lithium.

"Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release."

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