

ADEX PROVIDES UPDATE ON NORTH ZONE TIN, INDIUM, ZINC BENCH SCALE CONCENTRATE PROJECT

Toronto – June 2, 2010 - Adex Mining Inc. (“Adex” or the “Company”) (TSX-V: ADE) is pleased to provide an update on its tin, indium and zinc bench scale test project being carried out by SGS Lakefield Research Limited (“SGS”) of Lakefield, Ontario to evaluate the production of tin concentrate and zinc-indium concentrate from the North Zone (“NZ”) at Adex’s wholly-owned Mount Pleasant Mine Property (“Mount Pleasant” or the “Property”), located in southwestern New Brunswick, Canada.

The bench scale program is a two-pronged approach. The first step is designed to produce indium-bearing zinc concentrate for further upgrading to a 95% indium sponge utilizing an exclusive hydrometallurgical process being developed for Adex by Thibault & Associates in Fredericton, New Brunswick. The second step is designed to test the production of a tin concentrate for direct sale to a tin smelter. Management and directors of Adex were present at SGS to observe the final stage of the bench scale program - locked cycle testwork on both products - on May 28, 2010. Test results will be released as soon as they are available.

The bench scale program will now lead directly to a pilot plant program which will be carried out at SGS. A 100 tonne sample from the North Zone has already been received at SGS in Lakefield and the pilot plant will be set up over the next two weeks with pilot plant operations scheduled to begin by mid-June.

Errol Farr, President and CEO of Adex, stated: “We are very pleased with both the metallurgical and hydrometallurgical progress of our NZ testwork to date,. We look forward to assessing the final results of the bench scale metallurgical program, and anxiously await pilot plant results which will be used for scale up to commercial production.”

Adex’s Mount Pleasant Property hosts two important and separate mineral resources: the tungsten-molybdenum bearing Fire Tower Zone (the “FTZ”) and the tin-indium-zinc bearing NZ. The FTZ is the site of a past-producing tungsten-molybdenum underground mining operation that produced and sold tungsten concentrate between 1983 and 1985.

ABOUT ADEX

Adex Mining Inc. is a Canadian junior mining company with an experienced management team. The Company is focused on developing its flagship Mount Pleasant Mine Property, a multi-metal project that is host to promising tungsten-molybdenum and tin-indium-zinc-copper mineralization. Located in Charlotte County, New Brunswick, the Mount Pleasant Mine Property is situated approximately 80 kilometres south of Fredericton, the provincial capital, and is 65 kilometres from the United States border. The common shares of Adex trade on the TSX Venture Exchange under the stock symbol "ADE".

FOR FURTHER INFORMATION PLEASE CONTACT:

J. Errol Farr, CMA

President, Chief Executive Officer and Director
Adex Mining Inc.
1-866-508-2339 (ADEX)
Email: investorrelations@adexmining.com
Website: www.adexmining.com

No securities commission or regulatory authority has approved or disapproved the contents of this press release.

Neither the 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.

FORWARD-LOOKING STATEMENTS

Certain statements in this press release may constitute "forward-looking" statements which involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements of Adex, its subsidiary or the industry in which they operate to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. When used in this press release, the words "estimate", "believe", "anticipate", "intend", "expect", "plan", "may", "should", "will", the negative thereof or other variations thereon or comparable terminology are intended to identify forward-looking statements. Such statements reflect the current expectations of the management of Adex with respect to future events based on currently available information and are subject to risks and uncertainties that could cause actual results, performance or achievements to differ materially from those expressed or implied by those forward-looking statements. These risks and uncertainties are detailed from time to time, including, without limitation, under the heading "Risk Factors", in reports filed by Adex with the Alberta, British Columbia and Ontario Securities Commissions which are available at www.sedar.com and to which readers of this press release are referred for additional information concerning Adex, its prospects and the risks and uncertainties relating to Adex and its prospects. New risk factors may arise from time to time and it is not possible for management to predict all of those risk factors or the extent to which any factor or combination of factors may cause actual results, performance and achievements of Adex to be materially different from those contained in forward-looking statements. Although the forward-looking statements contained in this press release are based upon what management believes to be reasonable assumptions, Adex cannot assure investors that actual results will be consistent with these forward-looking statements. Given these risks and uncertainties, investors should not place undue reliance on forward-looking statements as a prediction of actual results.

The forward-looking information contained in this press release is current only as of the date of the press release. Adex does not undertake or assume any obligation to release publicly any revisions to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events, except as required by law.

