

ADEX MINING COMPLETES MINERALOGY STUDY

Toronto, Tuesday, December 23, 2008 – Adex Mining Inc. (“Adex” or the “Company”) (TSX-V: ADE) is pleased to announce the completion of a mineralogy characterization test program for the recovery and extraction of tungsten, molybdenum, tin and indium at the Company’s Mount Pleasant Mine Property (the “Property”) located in southwestern New Brunswick. The Property hosts two mineralized zones: the tungsten-molybdenum bearing Fire Tower Zone (“FTZ”) and the tin-indium bearing North Zone (“NZ”).

The mineralogy characterization test program was undertaken with the purpose of assisting the Company develop and validate a metallurgical process for optimum metal recovery from the Property’s FTZ and NZ. Specifically, a detailed analysis of the grain size and liberation characteristics of the metals hosted at the Property was completed to confirm an optimum grinding and metal recovery circuit.

SGS Lakefield Research Limited of Lakefield, Ontario completed the mineralogy characterization test program by assessing ore samples from the FTZ and NZ using a series of metallurgical technologies, including QEMSCAN, X-ray diffraction and Electron Microprobe analysis.

Qualified Person

Trevor Boyd, P.Geo., the Company’s Geological Consultant and a qualified person as defined by NI 43-101, supervised the preparation of the technical information contained in this press release in compliance with National Instrument 43-101.

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, Mount Pleasant is situated approximately 80 kilometers south of Fredericton, the provincial capital, and is 65 kilometers from the United States border. The common shares of Adex trade on the TSX Venture Exchange under the stock symbol “ADE”.

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.

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