

ADEX REPORTS REMAINING DRILL RESULTS AT MOUNT PLEASANT

Toronto – February 22, 2011 – Adex Mining Inc. (“Adex” or the “Company”) (TSX-V: ADE) is pleased to report the remaining results from its 2010 diamond drilling program on the tin-indium-zinc North Zone at the Mount Pleasant Mine Property in southwestern New Brunswick, Canada. Analytical results are tabulated for holes AM-10-15, AM-10-17, AM-10-19 and AM-10-25 below.

Hole Identification	From (m)	To (m)	Length (m)	Tin (wt.%)	Indium (g/t)	Zinc (wt.%)	Copper (wt.%)	Bismuth (wt%)	Arsenic (wt.%)
AM-10-15	108	114	6	0.30	132	1.00	0.07	0.03	0.18
AM-10-17	192	198	6	0.54	44	0.39	0.04	0.05	4.00
AM-10-19	57	63	6	0.26	308	3.58	0.29	0.02	0.73
AM-10-25	66	69	3	0.32	291	15.3	0.27	0.01	0.24

These are consistent definition drilling results with the purpose of upgrading the North Zone National Instrument 43-101 (“NI 43-101”) compliant “inferred” resources to “indicated” category. The total North Zone NI 43-101 resource estimate presently includes an “indicated” resource of 10,882,700 tonnes grading 0.43% Sn, 67.8 g/t In and 0.67% Zn plus an “inferred” resource of 7,602,800 tonnes grading 0.22% Sn, 74.6 g/t In and 0.99% Zn. The work is being conducted by Adex in conjunction with an upcoming definitive feasibility study of the North Zone. Details of the North Zone resource estimate are compiled in the NI 43-101 compliant Technical Report entitled “A Technical Review of the Mount Pleasant Property, Including a Mineral Resource Estimate on the North Zone, Southwestern New Brunswick for Adex Mining Inc.”, dated May 6, 2009 and completed by Watts, Griffis and McOuat Limited, Consulting Geologists and Engineers, and SGS Geostat Limited, which is available on SEDAR at www.sedar.com.

Quality Assurance/Quality Control

Adex has implemented an industry standard QA/QC program. Core is split in half using a hydraulic core splitter, sealed in secure packages and transported directly by Adex personnel to the Activation Laboratories’ preparation facility in Fredericton, New Brunswick. Pulps are sent by bonded carrier from that facility to Activation Laboratories in Ancaster, Ontario for analyses by Fusion XRF for tin and tungsten, and by sodium peroxide fusion with either ICP-MS or ICP-OES finish for indium, molybdenum, bismuth, arsenic, zinc, copper and lead. A pulp duplicate unknown to the laboratory is submitted per batch of 10 samples and sent to S.G.S. Laboratories in Toronto for analysis using sodium peroxide fusion with ICP-MS finish for indium and ICP-OES finish for tungsten, molybdenum, tin, bismuth, arsenic, zinc, copper and lead. A polymetallic standard unknown to the laboratory is included with each batch of duplicate samples. Both S.G.S. and Activation Laboratories fulfill standard QA/QC protocols.

Qualified Person

The Mount Pleasant exploration program is being conducted under the direction of Trevor Boyd, P.Geo., the Company’s independent Geological Consultant and a qualified person as defined by NI 43-101. Mr. Boyd supervised the preparation of the technical information contained in this press release in compliance with NI 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 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."

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

The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this press release.

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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.