

ADEX MINING REPORTS TIN-INDIUM-ZINC BULK SAMPLE RESULTS FROM MOUNT PLEASANT

Toronto – September 15, 2009 – Adex Mining Inc. (“Adex” or the “Company”) (TSX-V: ADE) is pleased to provide an update on its evaluation of the North Zone (“NZ”) at its wholly-owned Mount Pleasant Mine Property (“Mount Pleasant” or the “Property”) located in southwestern New Brunswick, Canada. As discussed in its news release dated July 23, 2009, this evaluation will support a scoping study expected to be completed in late 2009. A positive result from this scoping study is expected to lead to the preparation of a definitive feasibility study and a production decision.

As part of this detailed evaluation program, a total of 162 tonnes of mineralized material was collected from rock previously mined from the 600 Adit, which accessed the #1-3 Tin Lode Sub-Zone of the NZ mineralization. The 162 tonnes were portioned into separate bulk samples, crushed to 90% passing 0.5”, and each pile then randomly sampled. The largest pile, weighing 42 tonnes, was double sampled and assayed.

The location and providence of the mineralized material is based upon review of historical documentation associated with the development of the 600 Adit during the 1960’s and is supported by a due diligence review and sampling of the dump mineralized material. Analytical results from random sampling of the bulk samples are as follows:

Samples	Comments	% Sn	g/t In	% Zn	% Cu	% As
Crushed Bulk Sample Material	Approx. Pile Size (tonnes)					
#1	29	0.18	40	0.40	0.06	0.35
#2	18	0.61	183	2.22	0.27	1.43
#3	29	0.80	244	1.59	0.94	1.51
#4	32	1.02	427	2.26	0.54	1.05
#5 (sample 1)	42	0.61	239	1.18	0.83	1.21
#5 (sample 2)		0.48	183	0.89	0.66	0.97
#6	12	0.58	249	0.98	0.54	1.24
Weighted Average		0.62	228	1.37	0.55	1.07

Analytical results of the bulk sample showed metal grades in excess of the grades that were reported for the Inferred Resource estimate for the #1-3 Tin Lode Sub-Zone as reported in the National Instrument 43-101 (“NI 43-101”) compliant Technical Report (the “NZ 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 Paul Dunbar, P.Geo., Senior Associate Geologist of Watts, Griffis and McOuat Limited and Robert de l’Etoile, Eng., Senior Geological Engineer of SGS-Geostat Limited, which is available on SEDAR at www.sedar.com. The higher grades are due to the fact that the mineralized material had originally been mined from high-grade shoots within the #1-3 Tin Lode Sub-Zone.

The In concentrations reported are encouraging when compared to the corresponding Zn and Sn values for these samples. Assaying of historical drill core focused on In in the vicinity of the #1-3 Tin Lode is currently underway with results pending.

The bulk samples will be utilized for detailed metallurgical testing at an independent minerals laboratory. This work will be undertaken shortly and will form the basis of the next phase in the evaluation of a potential mining scenario for the NZ at Mount Pleasant.

Quality Assurance/Quality Control

Adex Mining has implemented an industry standard QA/QC program. Samples were sealed in secure packages and shipped by bonded carrier to Activation Laboratories in Ancaster, Ontario for analyses by Fusion XRF for tin and tungsten, and 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 the alternate laboratory, while a polymetallic standard unknown to the laboratory is included with each shipment of duplicate samples. Activation Laboratories fulfills standard QA/QC protocols.

Qualified Person

Trevor Boyd, P.Geo., the Company's Geological Consultant, a qualified person as defined by NI 43-101, supervised the due diligence sampling associated with the preparation of the bulk samples and 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-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." Technical materials relating to Adex's Mount Pleasant property is available on SEDAR at www.sedar.com.

FOR FURTHER INFORMATION PLEASE CONTACT:

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