FORM 51-102F3

MATERIAL CHANGE REPORT

Item 1 Name and Address of Company

Tirex Resources Ltd.
5052 Victoria Drive
Vancouver, B.C. V5P 3T8

Item 2 Date of Material Change

August 31, 2009

Item 3 News Release

The news release dated August 31, 2009 was issued from Vancouver, BC, and disseminated through Canada Stockwatch and Market News.

Item 4 Summary of Material Change

Tirex Resources ("Tirex") is pleased to announce, after the recent equity financing, the company has remobilized to Letitna to conduct further step out drilling to target large tonnage potential in the area. Latest drill assays are reported below. Along with restarting at Letitna, Tirex has also commenced work on the East Slope Trend, a new and previously undrilled 5km trend first identified by the Tirex airborne geophysical survey and further defined by geophysical, geochemical and geological ground work.

Item 5 Full Description of Material Change

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East Slope Trend

The East Slope Trend is a **5km new and previously undrilled Volcanogenic Massive Sulphide ("VMS") trend**, identified through a large scale modern airborne geophysical survey carried out by Tirex and is being further defined by ground work begun in 2008 (see Tirex news release dated August 20, 2008). Ground work includes induced polarization geophysics, rock and stream silt geochemistry and geological mapping utilizing modern VMS concepts to prioritize drill targets. This work is currently continuing and will lead to an aggressive drill program starting in the next 45 days geared towards new discoveries on multiple drill targets on the trend.

Letitna

Drilling is restarting at Letitna. **The Letitna Zone is open for expansion in every direction** and drilling to date has shown it to be a very wide zone with robust copper, zinc, gold and silver mineralization. In addition to large tonnage potential, results indicate the mineralizing system at Letitna had the ability to generate high grades of copper, zinc, gold, and silver. Drill results to date include intercepts such as **11.1m of 2.18% Cu, 3.80% Zn, 38.0 g/t Ag, and 4.0 g/t Au** including **8.1m of 2.59% Cu, 4.70% Zn, 39.7 g/t Ag and 5.1 g/t Au** (drill hole MR09-40) and **8.0m of 1.85% Cu, 1.39% Zn, and 1.6 g/t Au** (drill hole MR 09-38) (see Tirex news releases dated July 7 and July 13, 2009 for details). The Letitna area has widespread hydrothermal alteration, presence of multiple felsic volcanic domes including coarse pyroclastic units (commonly associated with VMS mineralization) and strong geophysical anomalies.

Results from the latest drill hole at Letitna (MR09-41) returned the following assays:

LETITNA ZONE						
FROM (m)	TO (m)	ESTIMATED TRUE WIDTH (m)	COPPER (%)	ZINC (%)	SILVER (g/t)	GOLD (g/t)
DRILL HOLE MR09-41						
129.98	180.80	**50.8**	**0.49**	**2.22**	**14.9**	**0.9**
Including						
151.72	156.55	4.8	2.27	0.84	9.1	0.6
Including						
155.87	156.55	0.7	9.78	2.09	17.3	0.5
Including						
159.80	161.73	**1.9**	**0.53**	**22.48**	**61.2**	**9.2**
Including						
159.80	160.77	**1.0**	**0.94**	**37.84**	**99.0**	**17.0**
Including						
171.30	174.30	3.0	0.29	2.84	28.2	1.5

This hole was drilled 50m west of drill hole MR09-40 and demonstrates the continuity of strong mineralization to the west. Assays from additional holes will be announced as they are received and interpreted.

Tirex is a company purpose-built to explore and develop the large 553 square kilometer Mirdita District in Albania. The nature of the VMS mineralization in this District provides Tirex investors with exposure to a high grade basket of metals: Copper, Zinc, Gold, and Silver. The property is readily accessible by paved and gravel roads and is located 70 km north of the capital city of Tirana. The property covers the core of the historically productive Mirdita VMS base metal district. It represents an opportunity to explore Copper, Zinc, Gold and Silver zones that were previously partially mined, explored or evaluated at lower metal prices, and provides an opportunity to apply modern exploration techniques toward the discovery of new VMS deposits and extensions of known zones. In addition to the 17 historical deposits identified by previous state-run exploration, Tirex has identified numerous high priority exploration targets resulting from the 2007 airborne geophysical survey, ongoing ground geophysics, geological mapping and other field work. The Mirdita exploration project is managed by an experienced team of Canadian geologists and other professionals, and several senior Albanian geologists, geophysicists and surveyors.

John Nicholson, P.Geo., a Qualified Person under the meaning of Canadian National Instrument 43-101 and Mirdita Project Manager, is responsible for the technical content of this news release. Drill core was NTW size (5.60cm diameter). Half core samples were collected with a rock saw, tagged for identification and securely stored at the Tirex base camp until shipment. A total of 5% assay standards and 5% blanks were inserted into the sample shipment as a quality control measure in addition to the internal quality control measures applied by the laboratory. All samples were shipped directly to ALS Chemex Laboratories in North Vancouver, Canada where they were dried, weighed, crushed and pulverized. Splits of each pulp were then analysed for 51 elements by ICP Spectrometry and assayed for copper, lead, zinc, silver and gold by standard assay methods.

Further details on the company and the Mirdita Project can be found on the Tirex website at www.TirexResources.com .

Item 6 Reliance on subsection 7.1(2) or (3) of National Instrument 51-102

Confidentiality is not requested.

Item 7 Omitted Information

No information has been omitted in respect of the material change.

Item 8 Executive Officer

Bryan Slusarchuk, CEO and Director
Tel (604) 687-7160

Item 9 Date of Report

August 31, 2009