**FORM 51-102F3**

**MATERIAL CHANGE REPORT**
**UNDER SECTION 7.1 OF NATIONAL INSTRUMENT 51-102**

**ITEM 1 NAME AND ADDRESS OF COMPANY**

EMC Metals Corp.
Suite 580 – 750 Hornby Street
Vancouver, British Columbia, V6C 3B6

**ITEM 2 DATE OF MATERIAL CHANGE**

December 16, 2009

**ITEM 3 NEWS RELEASE**

December 17, 2009

**ITEM 4 SUMMARY OF MATERIAL CHANGE**

EMC Metals completes acquisition of The Technology Store, Inc.

**ITEM 5 FULL DESCRIPTION OF MATERIAL CHANGE**

EMC Metals is pleased to announce it has completed the acquisition of all of the issued and outstanding capital stock of The Technology Store, Inc., a Nevada corporation pursuant to a stock purchase agreement with Willem and Irene Duyvesteyn dated November 19, 2009. Pursuant to the terms of the stock purchase agreement, EMC Metals has issued 19,037,386 common shares of EMC Metals to Willem and Irene Duyvesteyn.

EMC Metals also announces the appointment of Mr. Willem Duyvesteyn to the Board of Directors. EMC Metals has granted stock options to Mr. Duyvesteyn exercisable to acquire up to 200,000 common shares of EMC Metals at a price of $0.105 per share.

**ITEM 6 RELIANCE ON SUBSECTION 7.1(2) OF NATIONAL INSTRUMENT 51-102**

N/A

**ITEM 7 OMITTED INFORMATION**

N/A

**ITEM 8 EXECUTIVE OFFICER**

Peter Bosse, President; Telephone: (604) 648-4653

**ITEM 9 DATE OF REPORT**

Dated at Vancouver, B.C. this 17th day of December, 2009.