FORM 51-102F3

MATERIAL CHANGE REPORT

Item 1. Name and Address of the Company

Northern Star Mining Corp.
153A, Perreault Avenue
Val-d'Or, Quebec J9P 2H1

(the "Issuer")

Item 2. Date of Material Change

February 23, 2010

Item 3. Press Release

This news release was issued on February 23, 2010 through Canada Stockwatch, Market News Publishing Inc., and other dissemination services.

Item 4. Summary of Material Change

The Issuer announced that Michel David has resigned as Chairman of the Board, President and CEO of NSM effective immediately. Mr. David will continue on as a director of the Issuer.

The Issuer has appointed Jonathan Awde, Vice-President, Corporate Finance, to serve as interim President and CEO of NSM.

The Board is also reviewing NSM's overall personnel requirements with a view to expanding development of the Issuer's Midway gold project in Val d'Or, Quebec and fulfilling its goals of becoming a mid-tier gold producer and maximizing shareholder value. Further management related announcements are expected in the near term.

Item 5. Full Description of Material Change

See attached News Release.

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

Nothing on this form is required to be maintained on a confidential basis.

Item 7. Omitted Information

Not applicable.

Item 8. Executive Officer

Richard Silas, Corporate Secretary (Ph.) 604-608-1500.

Item 9. Date of Report

February 24, 2010

NORTHERN STAR MINING CORP.

By:

"Richard Silas"

Corporate Secretary
(Official Capacity)

Richard Silas
(Please print the name of individual whose signature appears above.)

TSX Venture SYMBOL: NSM
OTCQX:NSMSF

February 23, 2010

NORTHERN STAR ANNOUNCES MANAGEMENT CHANGES

Val d'Or, Quebec, February 23, 2010 – Northern Star Mining Corp. (TSX-V: NSM, OTCQX: NSMSF) ("NSM" or the "Company") announces that Michel David has resigned as Chairman of the Board, President and CEO of NSM effective immediately. Mr. David will continue on as a director of the Company.

The Company has appointed Jonathan Awde, Vice-President, Corporate Finance, to serve as interim President and CEO of NSM. Mr. Awde has extensive financial experience and been instrumental in helping to raise over $80 million for the Company since joining the board of directors in 2007.

The Board is also reviewing NSM's overall personnel requirements with a view to expanding development of the Company's Midway gold project in Val d'Or, Quebec and fulfilling its goals of becoming a mid-tier gold producer and maximizing shareholder value. Further management related announcements are expected in the near term.

Mr. Jonathan Awde, spokesman for the Board, stated: "We would like to sincerely thank Mr. David for his valuable contribution to the Company for the past 8 years. Under Mr. David's leadership, NSM successfully assembled an impressive exploration land package in Val d'Or, Quebec and moved the Midway project from a pure exploration property to the Company's first gold pour (as announced on February 5, 2010).

The current management team of NSM is supportive of this change in leadership as the Company embarks on this important phase at its Midway gold project in Val d'Or, Quebec.

ON BEHALF OF THE BOARD

"Jonathan Awde"

Jonathan Awde, President

FOR FURTHER INFORMATION PLEASE CONTACT: Northern Star Mining Corp. TOLL FREE (800) 460-5031 or (819) 825-8088, (FAX) (819) 825-1199 Website: www.nsmgold.com

Or

RENMARK FINANCIAL COMMUNICATIONS INC.
BARRY MIRE: BMIRE@RENMARKFINANCIAL.COM
CHRISTINE STEWART: CSTEWART@RENMARKFINANCIAL.COM
MONTREAL – TEL. : 514.939.3989 / FAX : 514.939.3717
TORONTO – TEL. : 416.644.2020 / FAX : 416.644.2021
WWW.RENMARKFINANCIAL.COM

This press release contains certain "Forward-Looking Statements" within the meaning of Section 21E of the United States Security Exchange Act of 1934, and involves a number of risks and uncertainties. Important factors that could cause actual results to differ materially from the Company's expectations are disclosed in the Company's documents filed from time to time with, among others, the TSX Venture Exchange and the British Columbia Securities Commission. All statements, other than of historical fact, included herein are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate, and actual results and future events could differ materially from those anticipated in such statements.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.