

**FORM 51-102F3
MATERIAL CHANGE REPORT**

Item 1 Name and Address of Company

James Bay Resources Inc
20 Victoria Street, Suite 800
Toronto, ON M5C 2N8

Item 2 Date of Material Change

June 16, 2010

Item 3 News Release

The press release attached as Schedule A was released by Marketwire Inc.
on June 16, 2010

Item 4 Summary of Material Change

The material change is described in the press release attached as Schedule A.

Item 5 Full Description of Material Change

The material change is described in the press release attached as Schedule A.

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

Not applicable.

Item 7 Omitted Information

Not applicable.

Item 8 Executive Officer

Stephen Shefsky, President and CEO
James Bay Resources Inc
416-366-4200

Item 9 Date of Report

June 18, 2010

June 16, 2010
(TSX.V)

Symbol: JBR

James Bay Resources Appoints Mr. Mike Sylvestre as Director

- **Highly experienced senior mining executive to join James Bay Board**

TORONTO, ONTARIO - James Bay Resources Limited (TSX.V: JBR) ("**James Bay**" or the "**Company**") is pleased to announce the addition of Mr. Mike Sylvestre to the Board of Directors of the Company.

Mr. Sylvestre is an experienced senior mining executive with a track record of leading major mining operations over a 30+ year career. Mr. Sylvestre has held senior management positions domestically and internationally as CEO Vale Inco New Caledonia, where he completed construction and commissioned the \$4 billion Goro nickel hydromet project, President Vale Inco Manitoba where he managed one of Inco's largest integrated mining properties producing 130 million pounds of refined nickel per year, and Vice President of Operations PT Inco, one of the world's largest open cast nickel laterite operations.

"We are very pleased Mike Sylvestre has joined the James Bay Board," said Mr. Stephen Shefsky, President & CEO of James Bay Resources. "Mike's understanding and operational experience in the mining sector is impressive and his presence on the Board will be invaluable to James Bay."

James Bay is also pleased to announce that shareholders of the Company have approved all matters voted on at the Company's Annual and Special Meeting of Shareholders held on June 11, 2010.

The Company announces that 200,000 incentive stock options were granted to Mr. Sylvestre, each exercisable at \$0.75 per common share.

About James Bay Resources

James Bay is a well-financed Canadian mineral exploration company with 21,872 hectares of 108 royalty-free, 100-percent owned claims in the McFauld's Lake area of the James Bay Lowlands. The Property is located west-southwest of the "Eagle One" Ni-Cu-PGE discovery made by Noront along the "Ring of Fire", an emerging and potentially world-class base metal camp. The Company currently has 28,040,350 shares outstanding and trades on the TSX Venture Exchange under the symbol "JBR". Please visit the James Bay website at www.jamesbayresources.com.

For further information please contact:

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or

Lenny Foreht

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