ALBERTA STAR DEVELOPMENT CORP.
SUITE 506 – 675 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA
V6B 1N2

Alberta Securities Commission
4th Floor, 300 - 5th Avenue S.W.
Calgary, AB
T2P 3C4

Attention: Executive Director

British Columbia Securities Commission
1100, 865 Hornby Street
Vancouver, British Columbia
V6Z 2H4

Attention: Executive Director

TSX Venture Exchange Inc.
300 - 5th Avenue SW
10th Floor
Calgary, AB
T2P 3C4

Dear Sirs:

Re: Alberta Star Development Corp.
Material Change Report - Form 51-102F3
Section 146(1)(b) of the Securities Act (Alberta)
Section 85(1)(b) of the Securities Act (British Columbia)

This letter is intended as a statement setting forth certain matters that may be a material change in the affairs of Alberta Star Development Corp.(“Alberta Star” or the “Corporation”). For convenience, this letter is itemized in the same manner as Form 51-102F3 of National Instrument 51-102.

<u>Item 1 - Name and Address of Corporation</u>

Alberta Star Development Corp..
Suite 506 – 675 West Hastings Street
Vancouver, British Columbia V6B 1N2

<u>Item 2 - Date of Material Change</u>

August 25, 2010.

<u>Item 3 - News Release</u>

A press release was disseminated on August 25, 2010.

<u>Item 4 - Summary of Material Change</u>

The Corporation announces further purchase of certain oil and natural gas assets from Western Plains Petroleum Ltd.

<u>Item 5 - Full Description of Material Change</u>

5.1 Full Description of Material Change

The Corporation announces that it has completed a further asset purchase with Western Plains Petroleum Ltd. (“Western Plains”) pursuant to which the Company acquired an undivided 33.33% interest in thirteen (13) crown leases located in the Lloydminster heavy oil area of Alberta (the “**Western Plains Assets**”) for the cash purchase price of $1.467 million, subject to usual industry adjustments, (the “**Alberta Star Transaction**”) such transaction having an effect date of July 1, 2010. Together with the oil and natural gas assets acquired on August 6, 2010 from Western Plains, previously the Corporation now has average production of approximately 300 barrels of oil per day equivalent.

5.2 Disclosure for Restructuring Transactions

Not applicable.

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

Not applicable.

Item 7 - Omitted Information

None.

Item 8 - Executive Officer

The name of a President and Chief Executive Officer of the Corporation who is knowledgeable about the material change and who can be contacted by the Commission is:

Tim Coupland
President and Chief Executive Officer
Alberta Star Development Corp.
Tel.: (604) 681-3131

Item 9 - Date of Report

August 25, 2010