

NEWS RELEASE

March 31, 2011

Symbol: MMS-TSXV

For Immediate Dissemination

ISSUE OF INCENTIVE STOCK OPTIONS

VANCOUVER, BRITISH COLUMBIA – (Marketwire – March 31, 2011), Macarthur Minerals Limited (MMS – TSXV) (“the Company”) is pleased to announce that pursuant to the Company’s Stock Option Plan, subject to TSX-V approval, it has today granted an aggregate of 350,000 incentive stock options to a director and officer.

The options are exercisable for a 3-year period at \$3.60 per share. Such options only vest and become exercisable in the event that the Company’s share price reaches \$4.25 and will be subject to a four month hold period commencing on the date of grant.

Further information on Macarthur Minerals Limited and technical reports on the Lake Giles project can be found on the company’s website www.macarthurminerals.com or www.sedar.com

ABOUT MACARTHUR MINERALS LIMITED (TSX-V:MMS)

Macarthur Minerals Limited, is a Perth, Australia based resource development company that is currently focused on developing its Lake Giles iron ore projects, located in the Yilgarn iron ore district in Western Australia. The Lake Giles projects are located 110Km from rail with direct access to the Port of Esperance, Western Australia. The projects have an aggregate inferred resource of 1.3 billion tonnes of magnetite mineralization and 18 million tonnes of potential Direct Shipping Ore (DSO) Goethite/Hematite at 55.5% Fe, that has been reported in accordance with National Instrument 43-101 as filed in previous technical reports on January 9, 2011, December 17, 2009 and March 24, 2011.

On behalf of the Board of Directors,
MACARTHUR MINERALS LIMITED

“Alan Phillips”

Alan Phillips, President, Chairman & CEO

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