



North American Gem Inc. Prepares to Fly an Electromagnetic Survey over Selected Targets in the Tobin Lake Region

April 21, 2009: North American Gem Inc. (TSX-V symbol: NAG) (the “Company”) is pleased to confirm that the Company has made plans to fly a Full Spectrum Time-Domain Airborne Electromagnetic Survey (EM Survey) over selected targets. The EM Survey will have a focus on the Tobin Lake area and the area to the south of the Goldsource Mines Inc. discovery zone. Experts in the field of Airborne Electromagnetic Surveys have confirmed to North American Gem management the potential for airborne data in this particular region, that this is a new viable method for selecting for coal occurrences within the Manville formation.

The Company anticipates mobilization cost will be reduced in the region as other Companies have also confirmed their willingness to conduct airborne surveys in the near future. The Company is also well into the drill permitting process for several project areas within the Manville formation, in particular the two project areas over which the EM survey will be conducted. The Company anticipates having the drill permits completed before the EM data has been analyzed which will allow the Company to begin drilling once targets have been identified.

The Company has been granted 757 Coal Prospecting Permits covering an area of 1,436,500 acres (581,376 hectares) that have been approved by Saskatchewan Energy and Resources. The Company acknowledges that this land package will require a few phases of airborne study to cover the entire area of interest.

The Company would also like to confirm that Silver Fields Resources and WestCan Uranium Corp., the Operator on Township 55-07-02, continue the drill permitting process in Saskatchewan. Township 55-07-02 consists of 12 Coal Prospecting Permits (CPP) totaling 23,040 acres to the northeast of Tobin Lake.

North American Gem Inc. has engaged Dahrouge Geological Consulting Ltd. (Dahrouge) of Edmonton, Alberta, to complete the permitting process on its behalf. Dahrouge has significant experience in exploring for, and developing deposits of thermal coal within the Western Canada Sedimentary Basin.

Investors are invited to visit the NAG IR Hub

At <http://www.agoracom.com/IR/NorthAmericanGem> where they can post questions and receive answers or review questions and answers already posted by other investors. Alternatively, investors are able to e-mail all questions and correspondence to NAG@agoracom.com where they can also request to be added to the investor e-mail list to receive all future press releases and updates in real time.

North American Gem Inc. (TSX-V symbol: NAG) is a Junior Exploration Company based in Western Canada. The Company's primary goal is to explore for Coal in North America, currently the focus is in Saskatchewan and West Virginia. In addition to Coal exploration, the Company also has interests in Uranium, Copper, Gold, Molybdenum and other base metals in Canada. The Company has advanced the Louise Lake Copper-Gold-Molybdenum-Silver project, located in British Columbia and has produced a

NI 43-101 compliant resource estimate (included in its NI 43-101 Technical Report dated July 14, 2006 and updated February 6, 2009, as filed on SEDAR). The Uranium projects include the Whiskey Gap and Western Basin in Alberta, the Mosquito Gulch property in the Northwest Territories and the Ranger Lake Uranium property in Ontario.

On Behalf of the Board of Directors

NORTH AMERICAN GEM INC.

"Charles Desjardins"

Charles Desjardins

President and Director

"Neither TSX Venture Exchange nor its Regulation Services Provider accepts responsibility for the adequacy or accuracy of this release."

Cautionary note:

This report contains forward looking statements. Resource estimates, unless specifically noted, are considered speculative. Any and all other resource or reserve estimates are historical in nature, and should not be relied upon. By their nature, forward looking statements involve risk and uncertainties because they relate to events and depend on factors that will or may occur in the future. Actual results may vary depending upon exploration activities, industry production, commodity demand and pricing, currency exchange rates, and, but not limited to, general economic factors. Cautionary Note to US investors: The U.S. Securities and Exchange Commission specifically prohibits the use of certain terms, such as "reserves" unless such figures are based upon actual production or formation tests and can be shown to be economically and legally producible under existing economic and operating conditions.