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North American Nickel Announces the Appointment of Dr. Walter Peredery to the Advisory Board; Grant of Stock Options

Vancouver, B.C. – September 6, 2011, North American Nickel Inc. (TSXV: “NAN”; OTCbb: “WSCRFF”; CUSIP: 65704T 108). North American Nickel (“NAN”) is pleased to announce the appointment of Dr. Walter Peredery to the Advisory Board.

Dr. Peredery brings more than 40 years of local and international experience in nickel-copper and platinum group metal mineralization to the North American Nickel Advisory Board. His experience includes 32 years as an exploration and research geologist with INCO Ltd. and a further 14 years as an independent consultant based in Sudbury. Walter graduated with B.Sc. and M.Sc. degrees from McGill University and finished his university training with a Ph.D. from the University of Toronto. His research interests are varied and far-reaching and he has published numerous papers on the Thompson Nickel Belt in Manitoba and on Sudbury Basin geology including contributions to Special Volume 1 “Geology and Ore Deposits of Sudbury” published by the Ontario Geological Survey. Most recently Walter was the Editor for “Geology and Mineral Deposits of Ukraine” published by the University of Toronto Press in 2007. He is a member of the Prospectors and Developers Association of Canada and is registered as P.Geo. with the Association of Professional Geoscientists of Ontario.

The Company has granted incentive stock options to certain directors, officers, employees, consultants and advisors of the Company to purchase up to 1,450,000 common shares in the capital of the Company pursuant to the Company’s stock option plan and subject to regulatory approval. The options are exercisable, on or before September 6, 2016 at an exercise price of \$0.25 per share.

About North American Nickel

North American Nickel is a mineral exploration company with properties in the Sudbury, Ontario and Thompson, Manitoba mining camps. The Company’s initial focus is on two Sudbury, Ontario properties. The Post Creek property is strategically located adjacent to the producing Podolsky copper-nickel-platinum group metal deposit of Quadra FNX Mining. The property lies along the extension of the Whistle Offset dyke structure, which is a major geological control for Ni-Cu-PGM mineralization.

The Bell Lake property, located off the SW corner of the SIC, is a 256-acre property that covers approximately one kilometre of the Mystery Offset dyke or MOD. The MOD is interpreted to be an extension of the Worthington Offset dyke which is a 10 to 11 kilometre-long mineralized structure that extends from the southwest margin of the Sudbury igneous complex.

The Company also has option to acquire 100% ownership in the Woods Creek and Halcyon properties in the Sudbury area; and has acquired 100% ownership in the high-grade Ni-Cu-PGE South Bay property near Thompson, Manitoba and the large grassroots Thompson North and Cedar Lake properties, which are part of the world-class Thompson Nickel Belt in Manitoba. North American Nickel also controls a 4,841 square km Mineral Exploration Licence in southwest Greenland with exclusive mineral exploration

rights. The principal target is high-grade nickel-copper occurrences associated with norite and other mafic and ultramafic intrusions. North American Nickel Inc. is a member of the North Shore Mining Group.

Statements about the Company's future expectations and all other statements in this press release other than historical facts are "forward looking statements" within the meaning of Section 27A of the *Securities Act of 1933*, Section 21E of the *Securities Exchange Act of 1934* and as that term defined in the *Private Litigation Reform Act of 1995*. The Company intends that such forward-looking statements be subject to the safe harbours created thereby. Since these statements involve risks and uncertainties and are subject to change at any time, the Company's actual results may differ materially from the expected results.

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