



MINDORO RESOURCES LTD

MINDORO COMMENCES INFILL DRILLING OF HIGH GRADE NICKEL LATERITE AT AGATA PROJECT

- **High Grade Nickel Laterite Targeted For Planned Stage 1 Direct Shipping Ore Operation**
- **Scoping Study Commenced for Stage 2 Major HPAL / Atmospheric Leach Nickel-Cobalt Project**

EDMONTON, ALBERTA, April 9, 2010 - Mindoro Resources Ltd. (TSXV: MIO; Frankfurt: WKN 906167) announces that it has mobilized four diamond drilling rigs to the Agata Nickel Project and commenced a detailed infill drilling program totaling 2,500 to 3,000 meters.

The diamond drilling program is designed to define Direct Shipping Ore (DSO) nickel-iron limonite (>1% Nickel, >45% Iron) for the Chinese nickel-pig iron market and high grade transition to saprolite ore (>1.4% Nickel) for Chinese Electric Arc Furnace (EAF) and/or other acid leach or ferronickel processing facilities in Australasia. Results of the drilling, combined with mine planning information, will allow preparation of an NI 43-101 Mineral Reserve statement.

The DSO ore reserve and mine planning information, to be finalized by July 2010, will form part of a submission to the Mines and Geosciences Bureau of the Philippines Government to achieve Declaration of Mining Feasibility, allowing financing and commencement of construction of a DSO nickel laterite project, conceptually planned to produce one to two million Wet Metric Tonnes (WMT) of laterite DSO per annum.

In addition, a scoping study and metallurgical testing program for a large scale integrated nickel laterite processing operation has been commenced. The scoping study will consider a staged development commencing with a DSO then saprolite atmospheric leaching operation, as well as a major integrated High Pressure Acid Leach (HPAL) / Atmospheric Leach / Saprolite Neutralization project. Boyd Willis Hydromet Consulting in Brisbane, Australia, will coordinate and produce the study, also scheduled for completion by July 2010.

Following the DSO Mineral Reserve definition program Mindoro will commence drilling the regional nickel laterite exploration target in order to convert a significant proportion of the 50 million to 70 million DMT @ 0.9% to 1.2% nickel Exploration Target to NI 43-101 compliant Mineral Resource.

Nickel laterite projects in the Philippines include Sumitomo/Nickel Asia's very successful HPAL operation at Coral Bay, Palawan and in construction the Taganito DSO then HPAL Operation east of Surigao, Mindanao.

The reader is cautioned that the potential quantity and grade of the Exploration Target is conceptual in nature; it is uncertain if further exploration will result in the Exploration Target being delineated as a mineral resource and there is no guarantee that these resources, if delineated, will be economic or sufficient to support a commercial mining operation. The company's production objectives are intended to provide an indication of management's current expectations and are still conceptual in nature. It is uncertain that it will be established that these resources will be converted into economically viable mining reserves. Until a feasibility study has been completed, there is no certainty that these objectives will be met.

Tony Climie, P.Geol, is the company's Qualified Person responsible for monitoring the supervision and quality control of Mindoro's exploration programs and who has reviewed and verified the technical information contained in this news release.

ABOUT MINDORO

Mindoro is a Tier 1 Issuer trading on the TSX Venture Exchange (MIO) and the Frankfurt Stock Exchange (WKN 906167). Mindoro is focused on exploration in the Philippines with a strategy of advancing early stage opportunities to production or joint venture. Mindoro controls major nickel laterite resources in the Surigao

District, Mindanao, where potential for a direct shipping ore (DSO) operation to generate early cash flow is being advanced as well as large scale potential for an onsite processing plant.

Mindoro has NI 43-101 Mineral Resource estimates on its Agata North nickel-cobalt project (November 2009) totaling Measured and Indicated 26.92 million dry metric tonnes (DMT) at 1.11% Nickel and 0.06% Cobalt and Inferred 3.79 million DMT at 1.06% Nickel, 0.05% Cobalt. The Surigao regional exploration target is 50 million to 70 million DMT at 0.9% to 1.2% Nickel (January 2010).

Mindoro also has NI 43-101 Mineral Resource estimates on both its Lobo and Archangel (Kay Tanda) gold-silver projects. Mindoro has identified 22 porphyry copper-gold prospects and has three projects in the Batangas area of southern Luzon which are the subject of a farm-in arrangement whereby Gold Fields Ltd may earn 75% through direct project expenditure. Goldfields are planning further drilling, focused in the Lobo area, to commence in May 2010. Drilling on the American Tunnels project has confirmed potential for a near-surface, bulk-tonnage gold target and porphyry copper-gold targets. Other objectives include progressing joint venture discussions on Mindoro's porphyry copper-gold prospects at Surigao.

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