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ARIANNE FILES ITS LAC A PAUL SCOPING STUDY

Saguenay, January 27, 2010. The management of Arianne Resources Inc. (« Arianne » or « Company ») is pleased to announce the SEDAR filing of its NI-43-101 Scoping Study from its Phosphate-Titanium Lac à Paul deposit in Saguenay-Lac-St-Jean, Qc, Canada.

Highlights include:

1) According to the author of the study, the Lac à Paul project is profitable assuming that the phosphate concentrate is sold at a price higher than \$100 CDN/ton. The economic model shows that for a selling price of \$118 CDN/ton of concentrate (FOB Dolbeau), the internal rate of return (IRR) would be 20%. According to Fertilizer Week magazine dated January 7, 2010, the price of the phosphated concentrate (Bone Phosphate Lime: BPL 72% with a 32% P₂O₅ grade) was \$147.44 US.

2) The cost of production of the Lac a Paul concentrate is estimated to be **\$62.53 CDN/ton** (FOB Dolbeau) including transportation cost (\$13.60 CDN) to the train station. This production cost would enable the Company to be very competitive on two markets. First on the North American market, where production of phosphate concentrate is insufficient to meet demand for the coming years and where procurement is done by ground shipment. The shortage is estimated to be 3 million tons per year and has to be compensated with imports from Morocco. According to the author, two phosphoric acid production plants owned by Agrium Inc. (Redwater in Alberta and Conda in Idaho) will be in shortage of concentrate during the coming years. Secondly, the Lac à Paul concentrate could interest the European market by seaway since the Belgium phosphoric acid production plants are procured with concentrate coming from Russia sold for \$182 CDN/ton (FOB Northern Europe). Arianne's apatite concentrate could be sold for \$160 CDN/ton, delivered in Belgium.

Compared to Arianne, the phosphate concentrate coming from Morocco is imported in North America at an estimated cost of \$140 CDN/ton (FOB – in a North American train). At an equivalent price, the Lac à Paul concentrate, which is of superior quality of the Moroccan brand (88 % BPL, 38.6 to 40.1% P₂O₅ with no toxic elements such as cadmium and uranium) offers a clear advantage for any North American based phosphoric acid plant requiring procurement by train. Furthermore, most of the developed countries have strict regulations in regards to toxic contaminants contained in fertilizers. Due to the lack of clean sources of fertilizers, these regulations are, in most cases, not enforced. In the future, the enforcement of those regulations would greatly favor Arianne's phosphate concentrate..

3) According to the author of the study, the best deposits owned by the Mosaic Corporation which operates in Florida and are the main providers of apatite in North America, are depleted and four of their mines will close in the next 10 years. Also, new environmental restrictions and social stigma restricts the opening of new mines. Mining production is in decline but the production capacity of the phosphoric acid is maintained with the Morocco imports.

Idaho is also an important production center with mines and phosphoric acid plants operated by CF Industries, Agrium, JR Simplot and Monsanto. For most of them, production should remain the same, except for the Agrium mines that approach depletion. To provide concentrate for the Agrium phosphoric acid plant is considered as a very attractive potential market for Arianne.

4) The study covers only part of the inferred resource of the Lac à Paul deposits, the Paul Zone estimated at 99.315 Mt grading 7.84% P₂O₅. The titanium resource was not considered in the scoping study even if it could add 20-40% in revenue The Company is currently proceeding with metallurgic tests in order to evaluate the economic impact of the titanium to the Lac à Paul deposit.

« We view the results of this study as very positive for the advancement of our apatite-ilmenite Lac à Paul project. The next efforts will be focused on outlining the ore resource and to continue metallurgical testing in order to follow up with a pre-feasibility study » commented Mr. Bernard Lapointe, CEO of Arianne Resources Inc.

This study was produced by Réjean Girard of **IOS Services Géoscientifiques Inc.** of Saguenay, Qc, Canada. It was based on the NI-43-101 Resource Estimate done by Claude Duplessis of **SGS Geostat Inc** that was filed in May 2009. The Scoping Study is available on Arianne's website at: http://www.arianne-inc.com/userfiles/file/phosphore/lacapaul_scoping_en.pdf.

Arianne Resource is a Canadian exploration company with the mission to explore and develop gold, silver and phosphate-titanium deposits in Canada and Mexico. The Company has less than 25 million shares outstanding. Investors can visit our website at www.arianne-inc.com.

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