



ASX ANNOUNCEMENT



15 AUGUST 2016

Authier Lithium Project Work Program

Sayona Mining Limited (ASX: SYA) ("Sayona" or the "Company") is pleased to report the details of the Authier work program which includes completion of a Pre-Feasibility Study ("PFS") and a resource definition drilling program.

The Authier project has been subject to a number of historical drilling, metallurgical testing, technical studies, including:

- More than 15,000 metres of drilling in 123 diamond holes, and 2143 lithium assays;
- Two metallurgical testing programs including a 40 tonne bulk sample;
- A base-line Environmental Impact Study; and
- A NI 43-101 Technical Report, Preliminary Economic Assessment in 2013 ("PEA"). The report was prepared as a collaboration between SGS Canada and Bumigeme. The accuracy of the costs estimates in the report were in the range of +/- 30%. The PEA demonstrated the economic and technical viability of developing the project.

The Company is now commencing a new work program to advance the project towards development and incorporates key recommendations by SGS Canada and Bumigeme from the 2013 PEA. The five month work program, includes:

1. A metallurgical study at SGS Lakefield to provide new data for process engineering studies. The will include flotation and dense media separation testing;
2. A process engineering study to identify enhancements and optimisation of the process flow-sheet, and to estimate the capital and operating costs;
3. A resource definition and extension drilling program, including an updated JORC mineral resource estimate; and
4. Preparation of a Pre-Feasibility Study.

The Company also plans to commence an Environmental Impact Study which will be completed during 2017.

Corey Nolan, Chief Executive Officer, commented *"The new studies will provide important technical and financial information about the project for shareholders, and supporting discussions with potential of-takers, equipment suppliers, financiers and regulatory organisations. On completion of the PFS, the Company plans to progress towards completing a Definitive Feasibility Study, Mining Licence applications, and product offtake contracts.*

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Sayona Mining Limited is an Australian, ASX-listed (SYA), company focused on sourcing and developing the raw materials required to construct lithium-ion batteries for use in the rapidly growing new and green technology sectors. Please visit us as at www.sayonamining.com.au