

Enertopia Corp

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Enertopia enthused as 99.99% of magnesium is left behind in lithium host rock in Clayton Valley tests

Enertopia Corp (CNSX:TOP) has been encouraged by third-party lab testing of bulk samples from its Clayton Valley lithium project.

The goals of this project were to test, in a precise manner, the effect of varying pH - the negative log of hydrogen ion concentration in a water-based solution - in leach solutions used to create synthetic brines by dissolution of lithium from source rock from the company's Clayton Valley project in Nevada.

Testing was done by Genesis Water Technologies (GWT), a leader in specialized water treatment solutions, on two bulk samples: GWT-001 and GWT-002.

"The best values were created from our second sample, GWT-002," Robert McAllister, the chief executive officer of Enertopia, told Proactive Investors.

Lithium values of 170 parts per million (ppm) and only three ppm magnesium (Mg) in solution were found in synthetic lithium brine produced by alkaline leach from bulk sample GWT-002.

"Most brines being produced today have magnesium to lithium ratios of one-and-a-half to two-and-a-half," McAllister said.

Enertopia's ratio was 0.017 to one part lithium. The significance of this is that 99.99% of magnesium has been eliminated from the source rock.

McAllister explained that the more magnesium that can be removed from the brines before they are put through the processing, the higher the probability of having higher grade lithium.

An overview of third-party laboratory results from the synthetic brine sample results are outlined below:

Bulk Sample

pH 5.5

pH 2.0

pH 11.0

Mg/Li Ratio

Price: C\$0.025

Market Cap: C\$2.88M

1 Year Share Price Graph



August 2017 February 2018 August 2018

Share Information

Code: TOP

Listing: CSE

52 week High Low
C\$0.14 C\$0.03

Sector: General Mining - Lithium

Website: www.enertopia.com

Company Synopsis:

Enertopia Corporation is a development company, which has engaged Genesis Water Technologies (GWT) to adapt their technology to be able to produce battery-grade lithium carbonate from brines or the creation of a synthetic brine from the company's lithium project in Clayton Valley, Nevada, U. S. , The Dan lode and Steve placer claims are located near Albemarle's Silver Peak lithium brine mine.

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GWT-001

Li in head grade ppm

1,040

1,040

1,040

Li in Solution mg/l

30

20

20

Mg in head grade ppm

25,950

25,950

25,950

Mg in solution mg/l

307

40

3

0.15/1

GWT-002

Mg / Li

Li in head grade ppm

1,780

1,780

1,780

Li in Solution mg/l

170

170

170

Mg in head grade ppm

21,400

21,400

21,400

Mg in solution mg/l

228

55

3

0.017/1

Enertopia continues to work assiduously at unlocking the value of the lithium-bearing rock at the surface along the uplifted block along the eastern flank at Clayton Valley. Further testing of lithium source rock and pH controlled liquid ratios will continue along with, and in combination with, testing of other separation methods that will be ongoing over the first quarter of 2018.

The bench test prototype build has started and is on track to be completed in February.

"Enertopia looks forward to providing updates as to the results of the bench test analysis and our ongoing project work at our 100%-owned Clayton Valley, NV, lithium project, as well as continuing due diligence in the technology and

mineral sectors," McAllister told investors.

"Modern technology is revolutionizing ways to mine and protect our environment. We are enthusiastic in becoming leaders in this evolution," he added.

Separately, the company is announced it had closed the final tranche of its private placement announced back in October, raising a further C\$80,550.

One Enertopia director purchased 200,000 units of the above second tranche at a cost of C\$10,000.

--- adds details of fund-raising and table of lab test results ---

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