

Dec 2015 AGM Presentation

TSX.V: MLR



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For more information on the risks, uncertainties and assumptions that could cause Melior's results, performance or achievement to differ from current expectations, please refer to the "Risk Factors" section of Melior's Annual Information Form dated November 19, 2014, Melior's first quarter Management's Discussion and Analysis of Financial Condition and Results of Operations dated November 19, 2015, as well as Melior's other public filings, available at www.sedar.com and at www.meliorresources.com.

RESOURCE CATEGORY & INTERNAL ANALYSIS DISCLAIMER

The expectations outlined in this presentation regarding the re-start of the Goondicum Mine represent management's objectives based on its internal analysis and studies of project scope, capital costs and production plans (the "Internal Analysis") which have included detailed mechanical and electrical design as well as quotes on equipment and construction work packages. However, the Internal Analysis relies in part on inferred resources and does not constitute a preliminary feasibility study or a feasibility study for the purposes of National Instrument 43-101. As a result, the internal analysis is subject to increased uncertainty and technical and economic risks of mine failure and there can be no assurance that management's expectations will be achieved.

FORWARD LOOKING STATEMENTS DISCLAIMER (CONT'D)

The scientific and technical information, as it relates to the Goondicum property, in the 43-101 report effective as of February 2014 has been reviewed and approved by Simon Tear (BSc (Hons), MIAusIMM, PGEO, EurGeol, IMO3) a director H&SC, Graham Lee (BSc, FAusIMM, CP(Geo)), an Associate of H&SC and Chris Desoe (B.E.(Min)(Hons), FAusIMM, RPEQ, MMICA), who are all Qualified Persons under National Instrument 43-101.

A new geological model has been developed with four mineralised units being delineated from drilling information and surface topography/mapping, thought to represent in situ to short-distanced transported material from both alluvial and gravity slide (soil creep) processes. The gabbro in the area under investigation has undergone multiphase oxidation and erosion producing a relatively complex weathering pattern of the host rock. The decomposed gabbro is believed to be in situ. Mineralisation comprises resistive ilmenite liberated by the relatively complex weathering process.

Reporting of the resource estimates used a 2.5% available ilmenite cut-off grade and a partial percent volume adjustment factor for the 2013 topographic surface.

Reconciliation of the new H&SC block model with the 2012-2013 production showed a 10% difference which is considered acceptable for an Indicated Resource.

Further exploration opportunities exist within the remainder of the Goondicum Crater as some of the earlier drilling work by Monto Minerals had intersected significant amounts of similar style mineralisation within the Goondicum Crater.

For detailed technical information please see the technical report prepared by H&SC Consultants Pty Ltd effective as of 25 February 2014, which is posted on Melior's SEDAR profile.

Melior Resources

- Melior Resources Inc. is a Tier I Mining Company listed on the TSX Venture Exchange (TSX.V: MLR)

Melior's assets include:

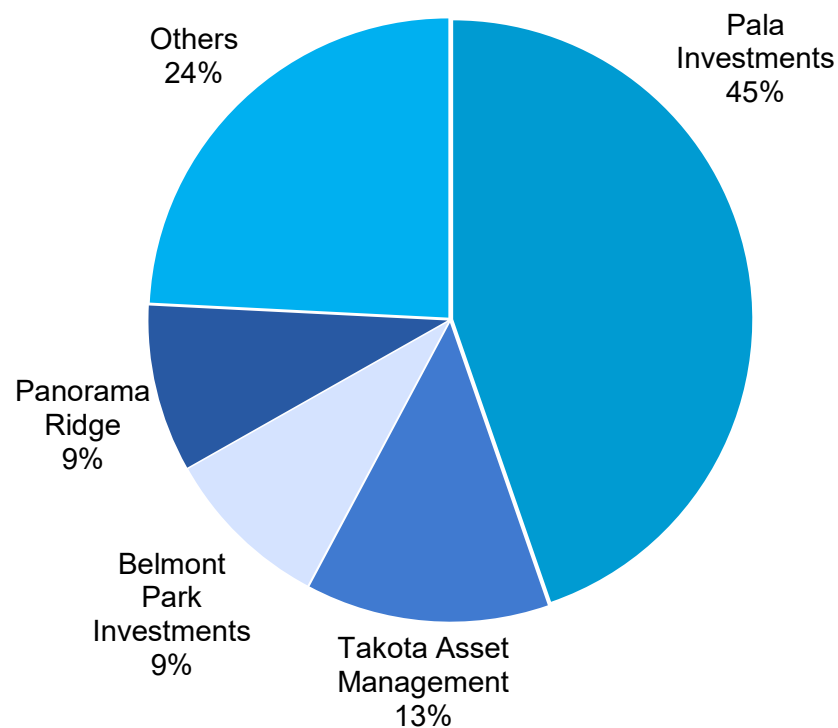
- 100% of the Goondicum Mine; and,
- 6.1% of Asian Mineral Resources (TSX.V: ASN), market value¹ C\$1.42m. AMR owns and operates the Ban Phuc sulphide nickel mine in Vietnam.

Share Price¹	C\$0.02/share
Shares Outstanding¹	211.47m
Market Capitalization¹	C\$4.23m
Cash & Short-Term Investments²	C\$1.137m
Drawn Debt²	C\$2.5m
Total Available Debt Facility²	USD\$5.0m

1. As of November 24, 2015

2. As of Sept 30, 2015

Key Shareholders



Goondicum Mine operations are currently suspended due to the poor market environment

Cost-Efficient Operation

- Cost-effective restart with working capital requirement ~A\$5.0M
- Optional capex spend of ~ A\$4.0M to complete construction of the Eastern Access Road
- Attractive operating cost base under “normal” market conditions

Low Technical Risk

- Designed for and operated at a plant capacity rate of 375t of ore per hour
- Historical sales of more than 65kt of ilmenite product successfully shipped to customers
- Fully-permitted mine with ~ A\$130M of investment to date and infrastructure in place

Strong Project Fundamentals

- Operations to date indicate average LOM production of ~ 170,000tpa of ilmenite and 48,000tpa of apatite
- Continuous high-grade portion of the resource yielding 20Mt at 11.4% ilmenite
- Significant resource expansion potential remains beyond the existing mining lease
- Favorable location for Asian markets

Processing facilities are being kept in good order and value adding activities are being investigated

- Maintaining Goondicum in good working order requires an annual cash burn of approximately C\$1.25m
- Management are reviewing several opportunities to enhance project economics at current prices including:
 - reducing operating costs,
 - value adding to product streams; and,
 - bringing in a strategic partner
- All options are being looked at to ensure maximum shareholder value is obtained

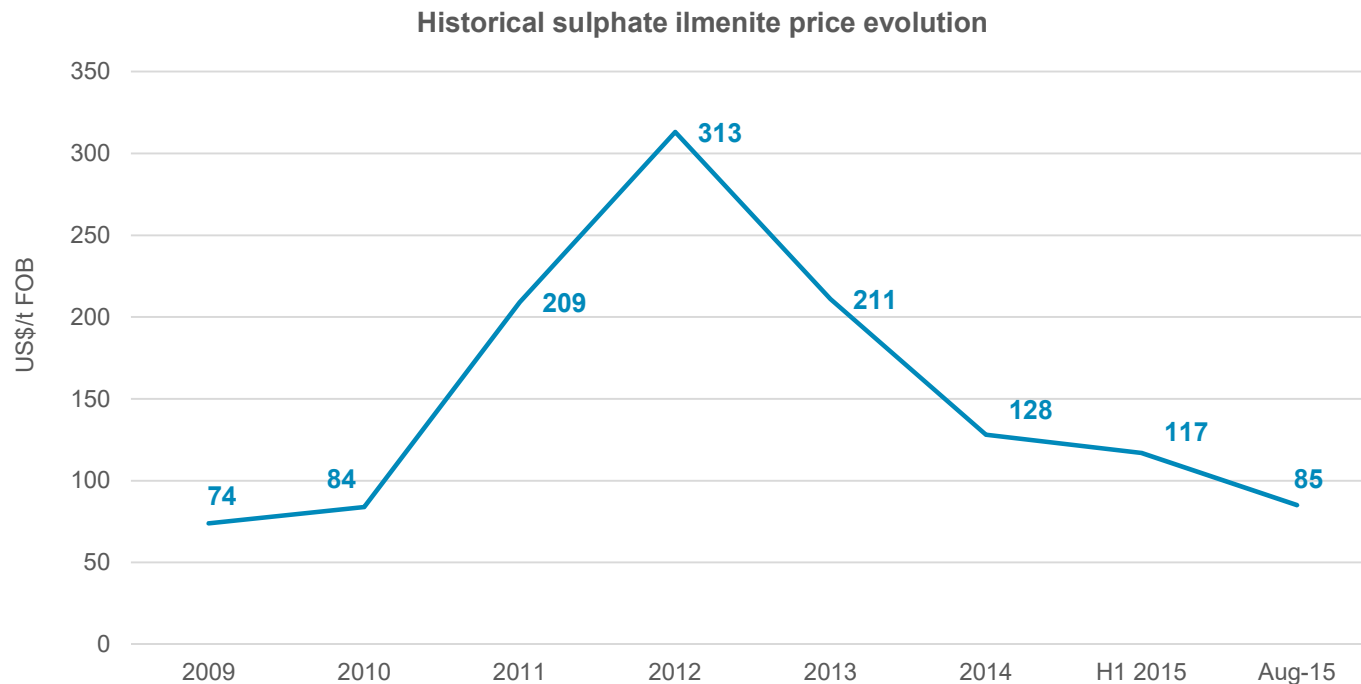


Our Aspiration Remains Becoming a Profitable, Reliable, Long-Life Titanium Feedstock Supplier



Ilmenite prices have weakened materially over the second half of 2015

- The decision to suspend production by Melior has been appropriate given the worsening sentiment would have made it necessary to compete on price in order to move volumes



Sources: Credit Suisse report (28-Mar-14) for 2009-2013 historical prices; RBC report (13-Sep-15) for 2014 historical price; TZMI report (Oct-15) for 2015 historical prices

Melior met with a number of pigment producers at November's TZMI conference

- Melior representatives attended the TZMI conference in Shanghai on 16-19 November 2015
- Meetings were held with a number of Chinese, Japanese and Western pigment producers following which the below conclusions were formed:

General Market Sentiment

- Sentiment was negative across titanium feedstocks and pigment producers
 - Chinese pigment industry is under significant pressure and most pigment producers are focused on taking spot shipments for the near term only
 - Other Asian and Western pigment producers are also currently under pressure
 - The slowdown in demand together with certain sources of ilmenite coming on-line or ramping up production over the last year have led to supply outpacing demand and resulting in high inventories and the need for more time to rebalance the market
 - The problem of oversupply is currently exacerbated by certain mineral sands producers producing and selling at a loss in order to service over-levered balance sheets

Current Ilmenite Price Trend

- Average sulphate ilmenite prices for August 2015 year-to-date have dropped to ~US\$85/t FOB
- There is potential for prices to continue their weakening trend further into Q1 2016

Melior will focus on its marketing strategy to prepare the ground for a rebound in prices

Long-Term Potential

- Longer term potential exists to build a book of cornerstone customers who are attracted to Goondicum ilmenite quality attributes. This will underpin a restart
 - There was a broad view at TZMI that whilst current ilmenite prices are extremely low and the potential is weakening, prices should be firming from the second half of 2016 and the supply/demand balance will be stabilizing. The cure for low prices is low prices...
 - Particularly in 2017, significant ilmenite consumption is expected to come on-line with the start of new ilmenite slagging plants by western customers

Next Steps on Marketing Strategy

- Melior is developing a marketing strategy focused on:
 - Identifying cornerstone customers to underpin ilmenite volumes and prices in order to support the ramping-back up of production
 - Given feedback from discussions with potential ilmenite customers, Melior expects to focus on pre-qualification of product with new customers during Q1 2016 and target ramp-up of operations in H2 2016
 - An ideal sales mix would include one or two cornerstone customers to take a significant volume of Melior's ilmenite production on a committed long-term contractual arrangement, supplemented by spot sales to various customers
 - Work is also being done to expand the apatite market with organic fertilizer and stockfeed production showing potential for significant value uplift

At Broker Consensus Price Forecasts Melior Has a Valuable Project....

Analysts		2016	2017	2018	LT
UBS	6-Nov-15	141	188		
RBC	4-Nov-15	118	130	140	155
Credit Suisse	4-Nov-15	140	160	180	201
Macquarie	15-Oct-15	98	104	109	112
JP Morgan	1-Sep-15	130	135		170
Morgan Stanley	18-Feb-15	225	225	225	225
CIMB	18-Feb-15	187	208		
Average		148	164	164	173

1. Third party analyst forecasts sourced from their published broker reports based on projections which do not represent forecasts of the company. Prices are assumed to be in US\$ on an FOB basis for sulphate ilmenite



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