Progress Update for the Merlin Diamond Mine

October 2016
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This presentation contains “forward looking statements”. Such “forward looking statements” may include without limitation (1) estimates of future earnings, the sensitivity of such earnings to diamond values and foreign exchange rate movements (2) estimates of future diamond production (3) estimates of future cash costs (4) estimates of future cash flow, the sensitivity of such flows to diamond values and foreign exchange rate movements (5) statements regarding, future debt payments (6) estimates of future capital expenditure (7) estimates of reserves, resources and statements regarding future exploration results.

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### Corporate Overview

#### Corporate Snapshot

<table>
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<tr>
<th>ASX Code</th>
<th>MED</th>
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<tbody>
<tr>
<td>Shares on issue</td>
<td>543,811,742</td>
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<tr>
<td>Share price (A$/share)</td>
<td>0.024</td>
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<tr>
<td>Market Cap (at 2.4 cents/share)</td>
<td>A$13.05 million</td>
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#### Experienced Board & Management Team

- **Mordechai Gutnick**  
  Director

- **Henry Herzog**  
  Non-Executive Director

- **David Tyrwhitt**  
  Non-Executive Director

- **Peter Lee**  
  Chief Financial Officer and Company Secretary
Foundation Resources – Our Consultants

- Based in Perth, Western Australia.
- Consisting of a team of industry professionals including geologists, mining engineers, metallurgists and environmental scientists.
- With over 100 years of combined diamond experience, including in exploration, resource evaluation, production, operational management, mine planning and environmental management.
- The members of Foundation Resources have worked on a variety of diamond projects around the world, including in Botswana, Angola, DRC, Indonesia, South Africa, Namibia and Australia, for companies such as De Beers and Gem Diamonds. They are fully equipped to assist Merlin Diamonds in bringing their operation into production.
Ashton Mining Ltd and Rio Tinto Ltd completed 5 years of mining at the Merlin Diamond Mine between 1999-2003 processing over 2.2 million tonnes of ore to produce 507,000 cts.

Merlin Diamonds is renowned for large, white gem quality stones with over 31% of the stones previously produced being in the +13 DTC size fraction (approximately 0.7cts).

Of the +1ct diamonds, in excess of 75% were assessed as ‘gem’ or ‘near gem’ quality.
Merlin Diamonds has secured substantial tenement holdings in the North Kimberley and Arnhem Land totalling approximately 22,000km².
Merlin Diamond Field

- Located in the Northern Territory, approximately 80km south of Borroloola.
- Consisting of 13 known kimberlites in 3 separate clusters.
- 10 of the kimberlites have been mined to date.
Merlin Diamonds

Rough diamond production – whites and yellows

Polished diamond production – whites and fancy yellows
Village Facilities
Original washing, crushing and screening circuit bypassed.

Replaced by larger capacity contract mobile crushing and screening plant.

Washed and screened ore fed directly into original DMS feed bin.

Existing DMS utilised to produce heavy concentrate.

Heavy concentrate fed directly to new final recovery unit.
Mobile Crushing and Screening

- Mobile crushing and screening equipment situated on the ROM pad at the Merlin mine site.
- The crushing unit (red) crushing to -20mm.
- The screening unit (yellow), screening at 20mm.
- Commenced operation 1 October 2016
New Final Recovery

- Final recovery Flowsort unit acquired from the Ellendale diamond mine.
- To be installed after the DMS with direct feed for better security.

- Using Flowsort machines will improve productivity, diamond recovery and security.
Stockpiles

• Stockpiles of oversize ore to be processed at the start of production.
• Kimberlite generally highly weathered and friable.
• All stockpiles are within close proximity of the plant.
Pit designs have been redone for Kaye and Ector during 2016. The following design parameters were used:

- Haul road width – 12m
- Haul road gradient – 10%
- Bench height – 10m
- Berm width – 5m
- Batter angle – 75 degrees

The designs shown have the final pits in brown and the starter pits in purple and green. The starter pits are based on completing the existing Kaye and Ector pits.
Rio Tinto’s 1997 feasibility study on the Merlin Diamond Project made the following comments:

“Small pipes, such as Ywain, may be fairly common in the field...”

“There is some potential for significantly larger pipes...”

“...evidence indicates that the Merlin field is part of a broader kimberlite province.”

“These factors (cretaceous cover, poor preservation of indicator minerals) while inhibiting the exploration effort, generally increase the possibility of other kimberlite fields and larger pipes to be present in the province.”
Gravity Anomalies

- There are two gravity anomalies in close proximity to the current mine operation that also require investigation.
Merlin Diamonds Limited

Address:
Level 1A, 42 Moray Street Southbank VIC 3006

Telephone: +61 (03) 8532 2858
Fax: +61 (03) 8532 2805
Email: info@merlindiamonds.com.au