Rio Tinto

Diavik Diamond Mine

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The Diavik Joint Venture

Rio Tinto

60%
owner and operator

40%
owner

Rio Tinto  Dominion Diamond Corp
Health and safety

- Our most important value
- Strong safety performance
- Certified to ISO international standards
- Mine rescue team comprised of employees
Island-based Diavik Diamond Mine

- Diavik plant site
- A418 dike & pit
- A154 dike & pit
- Future fish habitat
- Wind farm
- Waste rock pile
- Processed kimberlite containment
- Airstrip
- Lac de Gras
Diavik at a glance

- Located on an island in the tundra
  - 210 km south of Arctic Circle
  - 300 km northeast of Yellowknife
- Temperature range +20°C to -45°C
- 4 kimberlite pipes – 3 in operation
- Strong free-cash flow generation
- The current mine plan has production ending in 2023
- 2000-02 construction ~ $1.3B
- 2007-10 UG construction ~ $800m
Operations – underground mining

- 2013 – first full year as all underground mine
- 2013 – 2.1mt ore producing 7.2m carats
- 2014 on target to exceed plan of 1.9mt and 6.9m carats
- Forecast to produce 5.5m to 6m carats annually 2015-2017
Operations – underground mining

- Technologically advanced mine using the best equipment
  - Remote scoop operations
  - Computerized drill patterns

- Mining methods:
  - Sublevel retreat A154 South and A418
  - Blasthole stoping A154 North
Operations – processing

- Record processing performance in Q1 2014
- Capable of recovering all economic diamonds
- Product sorting facility in Yellowknife cleans and sorts goods
Community relations

• Modern formal agreements with 5 Aboriginal communities

• Formal agreement with local government

• 2013 – Aboriginal & Northern employment increased 2%

• 2013 – Northern business spend increased 5%
Award winning wind farm – proven technology

- Benchmark for cold climate
- Rio Tinto’s first wind farm
- Four 2.3 megawatt turbines
- 2013 – 8.4% power and 3.8m litres diesel offset
- 2014 Q1 – 11.1% power and 1.4m litres diesel offset
- $31m capex, eight year payback
Diavik kimberlite pipes
Diavik reserves and resources (31 December 2013)

- A154 South pipe
  - 2.2 mt reserves/grade 3.6cpt
- A154 North pipe
  - 7.5 mt reserves/grade 2.1 cpt
- A418 pipe
  - 6.5 mt reserves/grade of 3.4 cpt
- A21 (resource only)
  - 3.6 mt measured resources/grade 2.8cpt
  - 0.4 mt indicated resources/grade 2.6 cpt
  - Diamond quality estimated to be similar to A154 South
Diavik current mine plan

Reserves
(Tonnes Millions)

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Diavik current mine plan

Reserves
(Carats Millions)
Current mine plan

Capital and operating costs
C$M (2014 real terms)
A21 kimberlite update

- Design and approach to dike construction completed with initial technical review of cutter soil mixing technique for construction being approved
- Key scope of work packages completed
- Costing estimates being finalized
- Project roles defined and potential candidates identified if project is approved
- Feasibility study on track for completion in 2014
Tibbitt to Contwoyto Winter Road Joint Venture

- Joint Venture between Rio Tinto, Dominion Diamond Corp & DeBeers
- 353 km to Diavik
- ~$20m annual cost to build/operate
- Operates for two months
- 87% of road built on frozen lakes
Diavik – a world class diamond mine

- Safety will always be our first priority
- A proven underground mine
- Sustainable cost base
- Growth opportunities – A-21
- Strong community partnerships in place for life of mine
Thank you