



Wonarah Project Presentation

ASX: AEV
DEC 2019

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Compliance Statement

Information in this document relating to Exploration Results or estimates of Mineral Resources or Ore Reserves has been extracted from the reports listed below. The reports are available to be viewed on the company website at: www.avenira.com

Wonarah Project

15 March 2013: Technical Report Mineral Resource Estimation for the Wonarah Phosphate Project, Northern Territory, Australia
30 April 2014: Quarterly activities report

Avenira confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Avenira confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Corporate Snapshot

BOARD OF DIRECTORS

Chairman	Brett Clark
Non-Executive Director	Kevin Dundo
Non-Executive Director	Winnie Lai Hadad

CAPITAL STRUCTURE

Share price (26 November 2019)	A\$0.015
Shares in issue (ASX: AEV)	440.8m
Options	Nil
Performance Shares	Nil
Market Capitalisation	≈ A\$6.6m

12 MONTH SHARE PRICE & VOLUME





Phosphate focussed company for last decade –
Future diversification

Current Status

Avenira

- ASX listed public company
- 440m shares on issue
- Debt Free

Wonarah

- Avenira is 100% owner of Wonarah Phosphate Project
- Wonarah is considered one of Australia's largest and highest grade phosphate projects

Novaphos

- Novaphos is commercialising the Novaphos (previously the "Improved Hard Process") technology for super-phosphoric acid production
- An advanced process to replace conventional phosphoric acid production, lower capital /operating cost and no deleterious waste products
- Avenira owns the exclusive licence to Novaphos Improved Hardening Process for Australia

Wonarah Project

- Considered to be one of Australia's largest phosphate projects
- Huge resource:
 - **Measured** Resource of 64.9 Mt @ 22.4% P₂O₅
 - **Indicated** Resource of 133 Mt @ 21.1% P₂O₅
 - **Inferred** Resource of 352 Mt @ 21% P₂O₅ (15% cut-off)
- Excellent infrastructure
 - Northern Gas Pipeline runs through the project area.
 - Project is adjacent to national highway
 - Adjacent high quality water resource for life of mine ++
 - Port and rail is under capacity allowing easy expansion of Wonarah capacity
- **Study has commenced for Concentrate and MAP/ DAP Processing Project**
- **Search has started for a Strategic Partner**

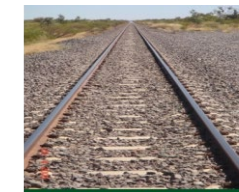


Period 2008 to 2019

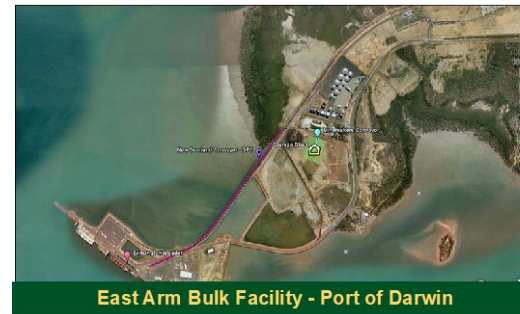
- 100% of Wonarah acquired in 2008
- Scoping study commenced in 2008
- Project awarded Major Project Status in 2008
- Trial mining and shipping of 4,000 tonnes in 2009
- DSO feasibility for direct shipping ore DSO study completed with positive results in 2010
- Seed investment in Novaphos Inc (previously JDC Phosphate) in 2010
- Mining lease granted in 2010
- Environmental impact assessment concluded by NT Govt in 2010
- Mining agreement signed with Arruwurra & Central Land Council in 2011.
- Scoping Study (Enabling Study) looked at integrated fertiliser options using either Wet Acid Phosphoric Process or Novaphos Technology in 2011
- Commenced feasibility study for the development of Wonarah using Novaphos technology in 2012 and suspended in 2014
- NT Govt grant environmental approval for mining operations in 2013
- Concentrate and MAP/DAP study commenced November 2019



Barkly Highway



Adelaide – Darwin Rail



East Arm Bulk Facility - Port of Darwin

AVENIRA has exclusive rights in Australia for Novaphos Technology

- A US-based private company seeking to commercialise the Novaphos (previously the “Improved Hard Process”) technology for super-phosphoric acid production
- Technology is potentially applicable to Avenira’s Wonarah Project
- Potential to provide a number of advantages across the value chain relative to existing technology
- Demonstration plant successfully produces high-quality super-phosphoric acid from low-quality phosphate rock tailings
- Other shareholders in Novaphos include Agrifos, Mitsui, Florida Opportunity Fund, and Armilar Venture Partners.

NOTE: The new scoping study will consider conventional MAP DAP technology, Novaphos will be considered as an option



Near term activities

- Manage Wonarah scoping study - completion 1st Qtr 2020
- Continue Wonarah strategic partner search



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