

Continuous Improvement at Edikan (With MillROC Support)

O Oblokulov¹, S Green², D van der Spuy³ and M Becker⁴

1.Processing Manager, Perseus Mining Limited, Dushanbe Tajikistan 734000.

Email: Oblokul.Oblokulov@perseusmining.com

2.Group Operations Metallurgist, Perseus Mining Limited, Subiaco WA 6008.

Email: stephen.green@perseusmining.com

3.Technical Director, Process IQ Pty Ltd, Balcatta WA 6021.

Email: daniel@processiq.com.au

4.Senior Metallurgist, Orway Mineral Consultants, East Perth WA 6004.

Email: michael.becker@orway.com.au

ABSTRACT

Continuous improvement is a major KPI (key performance indicator) for many metallurgical operations. Improvement never happens by itself and is rarely attributed to a single party or person, but is rather the culmination of different factors, ideas and efforts towards the overall improvements of a system, which is ultimately driven by culture.

Utilising this ethos, nameplate capacity (6.6 million tonnes per annum) has been achieved and exceeded at the Edikan Gold Project through the continual efforts of the team, steadily improving throughput and tightened operational control of the process.

This paper provides some background on the project, challenges faced, and explores the observations, recommendations and changes made at Edikan. Specific focus is given to upgrades made to instrumentation (via MillSlicer), implementing advanced control (via StarCS), providing real time consultation (via MillROC) and feedback to continuously improve the process.