
FINAL COMPLETION REPORT

AngloGold Ashanti Savuka Gold Plant West Wits

Introduction

This Final Completion Report presents the evidence to support the successful implementation of Corrective Action Plan 2 (to correct the deficiencies identified in the certification audit of the above plant held in April 2007).

Corrective Action Plan 2

Principle 4 – Operations: Manage cyanide process solutions and waste streams to protect human health and the environment.

Operations Practice 4.1 Implement management and operating systems designed to protect human health and the environment including contingency planning and inspection and preventative maintenance procedures.

Elements 1, 2, & 3 (Maintaining <50 mg/l WAD cyanide)

Deficiencies

- Insufficient evidence to have confidence in sustained operating levels below 50 ppm WAD.

Original Corrective Actions

- Monitoring evidence to demonstrate effectiveness of new WAD cyanide control measures.

Additional Work Undertaken

- Evaluation of automatic residue dilution as a means of reducing the cyanide WAD concentrations
- Additional investigation into the amount of cyanide added to the leach circuit in order to determine the absolute minimum before gold recovery is compromised.
- Additional cyanide speciation work to be done in the analyses to assist with understanding WAD cyanide behaviour and help explain site specific high readings.
- Investigation on Oxitrol measurement variability.

Evidence Submitted to the Auditors

- A Report was submitted which included the following:
 - A report containing details of process control of the leach feed parameters (mass flow, pH, RD (Relative Density) and cyanide concentration. This included explanation on the leach pH/cyanide

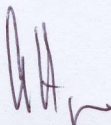
- pump interlocks, the role of the TAC 1000 cyanide addition control equipment and a revised cyanide control discipline.
- Results from the installation of a Cynoprobe WAD analyser in the residue stream which, when compared with the existing Oxitrol WAD cyanide analyser, showed more reliable and accurate results. The Cynoprobe was shown to be more effective through a more regular (monthly) calibration and maintenance regime, which is performed by the supplier (Mintek). The use of standard cyanide solutions during parallel operation of the two machines showed the Cynoprobe to be more accurate with the Oxitrol consistently overstating results by some 6ppm.
 - Controlled reduction of the cyanide set-point from 220ppm (prior to October 2007) to 200ppm (December 2007) which resulted in consistent WAD cyanide reporting to tailings below 50ppm (excluding excursions due to power outages).
 - The Cynoprobe also measures both WAD cyanide and free cyanide, giving additional parameters for control and analysis. Results from the correlation checks between WAD and free cyanide show that the WAD cyanide concentration in the residue has decreased mainly due to the reduction of the cyanide set-point in the leach circuit.
 - WAD cyanide levels monitored over a three month period showing WAD cyanide levels below 50 ppm at the TSF.
 - A new incident reporting system has been developed which includes greater detail on variability of cyanide concentrations (drawn from the new Cynoprobe measurements) and enables more proactive control.

Discussion

The submitted Report indicated that a review of cyanide management controls, more focussed cyanide addition controls and systems would contribute to a sustainable maintenance of Cyanide Code compliance for WAD cyanide levels on the TSF.

Conclusion

The Lead Auditor, following discussions with the audit team, is satisfied that the corrective actions taken meet the requirements of the corrective action plans and thus enable substantial compliance in this operations practice to be revised to Full Compliance.


Arend Hoogervorst
Lead Auditor
Date: 25/4/08

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