

AusIMM MetSoc Plant Operators Forum

Session One: Comminution

THE APPLICATION OF MILLSLICER ON THE SAG MILL AT KANOWNA BELLE GOLD MINE TO IMPROVE PROCESS CONTROL AND REDUCE LINER DAMAGE

Rebekah Smiles (Process Superintendent), Northern Star Resources Kanowna Belle

SINGLE STAGE SAG MILLING AT FOSTERVILLE GOLD MINE

Andrew Nash (Senior Metallurgist) Kirkland Lake Resources

TRACKING GRINDING MEDIA PERFORMANCE AS PART OF OPTIMIZATION PROJECT IN THE PRIMARY BALL MILL AT SUNRISE DAM

O. Baker (Plant Metallurgist), P. Elms (Metallurgical Superintendent), C. Ypelaan (Plant Metallurgist) and L. Van Obbergh (Sales Manager, Magotteaux)

IMPROVING MILLING RATES AT LIHIR GOLD MINE

Fraser Burns (Senior Metallurgist), Curtis Aisthorpe (Senior Metallurgist), Jason Robertson (Process Plant Manager), Paul Griffin (Group Manager – Processing)

APPLICATION OF ROUTINE HIT ORE HARDNESS TESTING AT THE MEADOWBANK GRINDING CIRCUIT

K. Leetmaa and Y. Bergeron (Agnico Eagle Mines Limited) and T. Kojovic (SimSAGE Pty Ltd)

Session Two: Projects and Plant Upgrades

IGO'S NOVA NICKEL COPPER CONCENTRATOR: KEY STRATEGIES THAT DELIVERED ON SPEC CONCENTRATE ON TIME AND AT A LOW CAPITAL OUTLAY

Graham Arvidson, Maintenance Manager

CONVERTING AN AIR SPARGING SYSTEM TO A LIQUID OXYGEN SYSTEM TO IMPROVE GOLD AND SILVER LEACH KINETICS AND AUTOMATION AT THE BAN HOUAYXAI GOLD-SILVER OPERATION

Don Zoetbrood, Process Manager

A PROJECT APPROACH TO SAFETY AT PHU KHAM COPPER-GOLD OPERATION

Kirsty Hollis, PKM Process Manager

THE EFFECT OF ROTOR SPEED ON THE FLASH FLOTATION PERFORMANCE OF AU AND CU IN AN INDUSTRIAL CONCENTRATOR

Bianca Newcombe; Brandon Akerstrom; Emily Jaques (Graduate Metallurgist, Newcrest Cadia Valley Operations)

PROCESS PLANT UPGRADES AT THE NEWMONT TANAMI OPERATION

Steven Hart, Andrew Cranley and Neil Ireland (Newmont Australia)

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Session Three: Plant Operations, Wins and Opportunities

A panel of corporate metallurgists will share some experiences based on recent wins, existing opportunities and challenges at a wide range of operations. The panel includes:

- Steven Hart, Principal Advisor - Processing, Newmont Australia
- Dan Schwann, Group Manager – Processing and Metallurgy, Evolution Mining
- Reg Radford, Manager Metallurgy, Goldfields Australia
- Duncan Bennet, Principal Consultant, Mineralis Pty Ltd

Session Four: Goldfields Plant Optimisation

AGNEW PROCESS AUTOMATION

John Robinson, Senior Metallurgist, Agnew Gold Mine

ELUTION CIRCUIT OPTIMISATION AT GRANNY SMITH GOLD MINE

Goldie Little, Plant Metallurgist, Granny Smith Gold Mine

SECONDARY SCREEN TRIALS AT GRANNY SMITH GOLD MINE

John Stevens, Graduate Metallurgist, Granny Smith Gold Mine

GRANNY SMITH GOLD MINE TAILINGS LOSS REDUCTION PROJECT

Peng Zhou, Plant Metallurgist, Granny Smith Gold Mine

Session Five: Digital Transformation in Minerals Processing

A panel consisting of METS Suppliers, Metallurgists and Senior managers will initiate an open group discussion on the Internet of Things, Cloud-based Computing, Digital Transformation, robotics and Artificial Intelligence and its application in Minerals Processing. This panel discussion will focus on:

1. What is holding the minerals processing industry back from digital transformation
 2. How will the workforce have to re-skill to undertake this transformation?
 3. How can Australia be placed as a world-leader in this industry.
 4. What are the “holy grail” opportunities in minerals processing
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