



SD07 A CLIMATE FOR CHANGE
Sustainable Development Conference



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**Sustainable Mine Closure Planning:
Moving Towards Best Practice –
Experiences & Observations**



*“Now we have gone through this process,
we recognise its value and realise how
much we needed it”*





Overview

- > Internal Processes for Planning Closure
- > Factoring in Social Considerations
- > Development of the Closure Plan
- > Developing Cost Estimates for Closure

Internal Processes

- > Managing Information & Knowledge
- > Solutions:
 - Executive Summary
 - Table
 - Appendix



Internal Processes

- > Cross Departmental Communication
- > Solutions:
 - Closure Planning Team
 - Involvement in Risk Assessment
 - Integration into Decision-Making



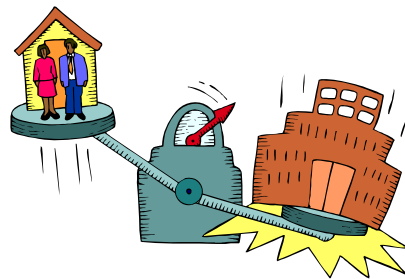
Internal Processes

- > Decision-Making for Closure
- > Solutions – Incorporate into:
 - Project Evaluations
 - Capital Expenditure Requests
 - Other Change Management Controls



Social Considerations

- > Stakeholder Identification
- > Vulnerability & Resilience Assessment
- > Community Capacity Building Programmes



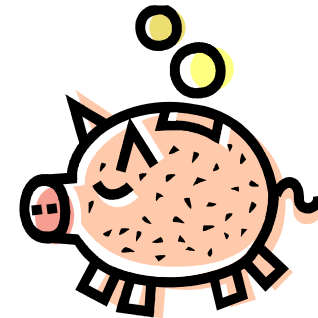
Closure Plan Development

- > Baseline Data
- > Closure Criteria
- > Legal Requirements
- > Risk Assessments



Developing Cost Estimates

- > Range Analysis to Account for Uncertainty
- > Recurring Issues
 - Cost of Cleaning Plant
 - Demolition Costs
 - Insufficient Information on Assumptions





Summary

- > Benefits of implementing leading practice guidelines:
 - Cross section of personnel involved
 - Less chance of closure issues being overlooked
 - Potential issues flagged early
 - Time for cost effective ways to address
 - Gaps in information are identified
 - Time to fill gaps
 - Cost estimations account for uncertainty and risk
 - Less chance for significant unplanned costs