



NORTH PARKES

Health and Medical Surveillance at Northparkes Mines



Overview of Northparkes Mines

Parkes

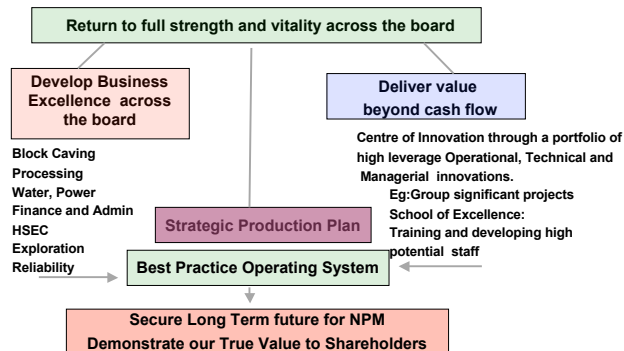
- 360 km west of Sydney
- Town population of 10,000
- Medical practices, Hospital and Allied Health Services

Northparkes Mines

- JV Between Sumitomo Metals (20%) and Rio Tinto (80%)
- 200 Employees and 200 permanent contractors
- Production crews work 12 hour shift, Administration Support work 8.5 hours
- Underground Block Cave production, Open Cuts closed
- 5.5 million tonnes from mine; 190,000 tonnes of copper / gold concentrate from Ore Processing
- Farm 3,200 hectares - wheat, barley, canola and peas



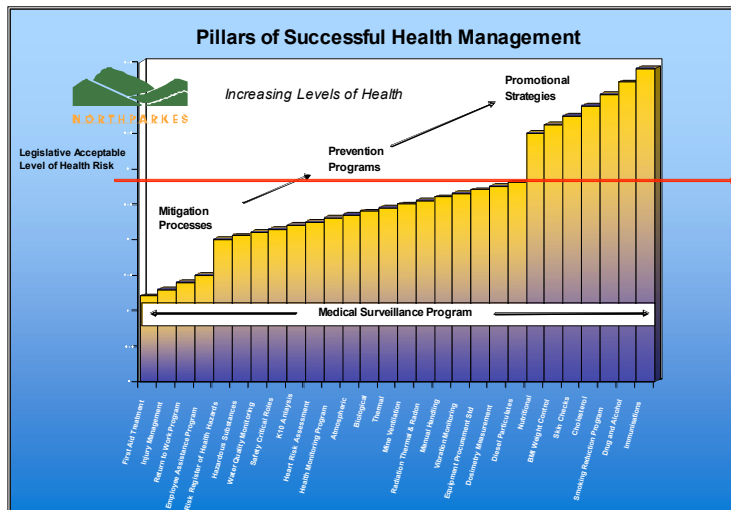
Structure of NPM Business Strategy



Relevant Health Drivers

- **Rio Tinto Occupational Health Standards and Group Targets**
 - 16 Health Standards
 - 6 'A' Management Standards
 - 10 'B' Performance Standards
- **NSW OHS Mining Legislation**
- **Northparkes HSEMS**
 - Health Risk Register
- **NPM Dimensional Analysis**
 - Health Monitoring Program





Medical Surveillance Program

- Vision
- Risk based approach
- Attributes of Program
 1. Similar Exposure Groups (SEGs)
 2. Medical Assessment
 3. Medical Documentation
 4. Medical Health Codes
- Conducted for all Northparkes employees
- Legislative requirements for testing

Northparkes Headframe

Similar Exposure Groups

- Developed in consultation
- 17 Groups
- Risk Register for each Group
- Medical Assessment for each Group
- Used for Occupational Health Monitoring

Exploration Drilling on

Medical Surveillance Documents

- Medical Standard
- Medical Examination Assessment
 - Main task and conditions
 - Essential functional requirements
 - Specific health and safety risks
 - Medical criteria
 - Medical review schedule
- Consent
- Health Risk Register

Wheat harvesting on Northparkes Farm



Medical Preliminary Tests

Medical Testing Metrics

- Questionnaire
- Blood pressure
- Pulse Rate
- Audiometry
- Height
- Weight
- BMI
- Vision – Near, Distance & Colour
- Grip Strength
- Spirometry
- Urinalysis
- Standardised Respiratory Questionnaire



LHD loader at Extraction Level Draw Point

Tests Conducted prior to the Medical examination



Medical Examination

Initial/ Pre-employment - detailed medical history
 Periodic & Exit – change since last assessment

- Personnel Details
- Vaccinations
- Work History
- Medical History
- General Health – ESS, K10, Alcohol Audit
- Medications
- Exercise
- Pain
- Step Test

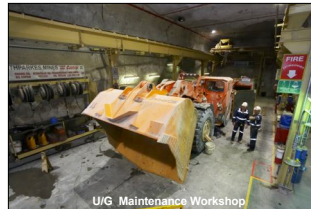


Medical Health Codes

All medicals reviewed

Each employee is given a Health Code

- Green
- Amber
- Red



U/G Maintenance Workshop

Copy to HR for new employees



Implementation of Medical Surveillance Programme

- Education of the workforce
- Liase with HR
- Liase with local GP's
- Return to Work Plans
- Baseline medicals for all employees – 60% complete



Secondary Breaker Drilling at Draw Point



Benefits of Programme

Benefits

- Medical Baseline Report
- Accepted by employees
- Identifies individual health issues
- Reduction in absenteeism in future



Reduces risk from potential adverse health hazards and risks to employees



The Future

- Wellness Programme
- Medical Database
- Medicals
- Expand to include permanent contractors on site
- Managing an Ageing Workforce



The End