ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, herewith please receive an environmental impact statement that summarises the impact that the activity may have on the environment after the management and mitigation of impacts have been considered, with specific reference to types of impact, duration of impacts, likelihood of potential impacts occurring and the significance of impacts.

ENVIRONMENTAL IMPACT STATEMENT			
EXPANSION ACTIVITIES – SITE ESTABLISHMENT PHASE			
TYPE OF IMPACT	**DURATION**	**LIKELIHOOD**	**SIGNIFICANCE**
Stripping and Stockpiling of Topsoil and/or Overburden:	**Site establishment and Operational phase**		
♦ Loss of grazing land	**(±19 years)**	**Definite**	**Low-Medium**
♦ Visual intrusion		**Definite**	**High**
♦ Dust generation		**Possible**	**Low**
♦ Noise disturbance		**Possible**	**Low**
♦ Soil and water contamination		**Low Possibility**	**Low**
♦ Localised loss of CBA2 areas on the plains		**Definite**	**Low**
♦ Localised loss of CBA2 areas on the ridge		**Definite**	**Low**
♦ Disturbance of fauna		**Possible**	**Low**
♦ Alien invasive plant infestation		**Low Possibility**	**Low**
♦ Increased runoff and erosion		**Low Possibility**	**Low**
♦ Disturbance of heritage and palaeontological resources		**Low Possibility**	**Low**
♦ Alteration of surface drainage		**Definite**	**Low**

ENVIRONMENTAL IMPACT STATEMENT

OPERATIONAL AND EXPANSION ACTIVITIES – OPERATIONAL PHASE

TYPE OF IMPACT	DURATION	LIKELIHOOD	SIGNIFICANCE
Drilling and Blasting:			
♦ Topographical alteration	**Operational phase (±19 years)**	**Definite**	**Medium-High**
♦ Blasting safety risk		**Low Possibility**	**Low**
♦ Dust generation		**Possible**	**Medium**
♦ Noise disturbance		**Definite**	**Low-Medium**
♦ Ground vibration		**Low Possibility**	**Low**
♦ Flyrock		**Low Possibility**	**Low**
♦ Potential impact of blasting on the N6 National Road and road users		**Low Possibility**	**Low**
Excavation, Processing, Loading and Hauling of Aggregate:			
♦ Dust generation		**Possible**	**Low**
♦ Noise disturbance		**Possible**	**Low**
♦ Unsafe working conditions		**Low Possibility**	**Low**
♦ Soil contamination		**Low Possibility**	**Low**
♦ Alien invasive plant infestation		**Low Possibility**	**Low**
♦ Runoff and erosion		**Low Possibility**	**Low**
♦ Overloading of haul trucks		**Low Possibility**	**Low**
♦ Continued employment opportunities (+)		**Definite**	**High (+)**
♦ Continued supply of aggregate (+)		**Definite**	**High (+)**
♦ Continued community investment (+)		**Definite**	**High (+)**
Cumulative Impacts:			
♦ Cumulative loss of grazing land		**Definite**	**Medium**
♦ Cumulative ecological disturbance		**Definite**	**Low-Medium**
♦ Cumulative topographical alteration		**Definite**	**Medium-High**

OPERATIONAL AND EXPANSION ACTIVITIES – DECOMMISSIONING PHASE

TYPE OF IMPACT	DURATION	LIKELIHOOD	SIGNIFICANCE
Sloping and Landscaping During Rehabilitation:			
♦ Safety risk from unrehabilitated excavations	**Decommissioning Phase (±12 months)**	**Low Possibility**	**Low**
♦ Topsoil erosion		**Low Possibility**	**Low**
♦ Alien invasive plant contamination		**Low Possibility**	**Low**
♦ Residual soil contamination		**Low Possibility**	**Low**
♦ Failure of vegetation establishment		**Low Possibility**	**Low**

ENVIRONMENTAL IMPACT STATEMENT			
♦ Visual scarring following rehabilitation ♦ Failure of stormwater controls		**Definite** **Low Possibility**	**Low-Medium** **Low**