

ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, herewith please receive an environmental impact statement that summarises the impact that the prospecting 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.

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ENVIRONMENTAL IMPACT STATEMENT

FINAL PROJECT PROPOSAL

<u>Excavation, Loading and Hauling to Processing Area</u>		<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
❖ Visual intrusion associated with the excavation activities. ❖ Dust nuisance due to excavation and from loading and vehicles transporting the material. ❖ Noise nuisance because of the mining activities. ❖ Unsafe working environment for employees. ❖ Soil contamination from hydrocarbon spills and/or littering. ❖ Facilitation of erosion due to mining activities. ❖ Potential impact on palaeontological features. ❖ Deterioration of the internal access road to the mining area as a result of transporting material from site and/or overloading.	Duration of operational phase (Maximum 5 years)	Definite Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility	Low-Medium Concern Low Concern Low Concern Low Concern Low Concern Low Concern Low Concern Low-Medium Concern
<u>Crushing, Screening and Stockpiling of Material</u>		<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
❖ Dust nuisance generated at the processing plant. ❖ Noise nuisance stemming from operation of the processing plant. ❖ Potential contamination of environment due to improper waste management. ❖ Infestation of the area with invader plant species. ❖ Potential increase in runoff from bare areas and associated accelerated erosion. ❖ Loss of stockpiled material due to ineffective stormwater control. ❖ Increased fire risk due to mining activities.	Duration of operational phase (Maximum 5 years)	Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility Low Possibility	Low Concern Low Concern Low Concern Low Concern Low Concern Low Concern Low Concern
<u>Cumulative Impacts</u>		<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
❖ Cumulative impact on overall species and ecosystem diversity. ❖ Cumulative impact of invader plants in both the borrow pit and surrounding areas. ❖ Cumulative on the internal access road when borrow pit is operational.	Duration of operational phase (Maximum 5 years)	Low Possibility Possible Possible	Low Concern Low-Medium Concern Low-Medium Concern

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<u>Sloping, Landscaping and Rehabilitation upon Closure of the Site</u> ❖ Safety risk posed by un-sloped areas. ❖ Erosion of returned topsoil after rehabilitation. ❖ Infestation of the reinstated areas by invader plant species. ❖ Potential impact associated with litter/waste left at the mining area. ❖ Return of the mining area to agricultural use upon closure (Positive Impact)	Duration of decommissioning phase (±3 months)	<u>LIKELIHOOD</u> Low Possibility Low Possibility Low Possibility Low Possibility Definite	<u>SIGNIFICANCE</u> Low Concern Low Concern Low Concern Low Concern Medium-High (+)
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