

ENVIRONMENTAL IMPACT STATEMENT

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

<u>ENVIRONMENTAL IMPACT STATEMENT</u>			
SITE ALTERNATIVE 1			
<u>TYPE OF IMPACT</u>	<u>DURATION</u>	<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
<p><u>Site Establishment:</u></p> <ul style="list-style-type: none"> ■ Alteration of the agricultural sense of place ■ Loss of agricultural land for duration of mining ■ Visual intrusion as a result of site establishment. ■ Loss of topsoil and fertility during mining and stockpiling ■ Infestation of the topsoil heaps and mining area with invader plant species. ■ Potential impact on archaeological artefacts ■ Potential impact on fauna within the footprint area. ■ Potential impact on vegetation and listed and/or protected plant species ■ Dust nuisance due to excavation and from loading and vehicles transporting the material ■ Work opportunities to 4 local residents (Positive Impact) 	<p>Duration of site establishment phase (<1 month)</p>	<p>Possible</p> <p>Possible</p> <p>Possible</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Definite</p>	<p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Medium Concern</p> <p>Medium Concern</p> <p>Low Medium Concern</p> <p>Low Concern</p> <p>High (+)</p>
<p><u>Construction of site access road:</u></p> <ul style="list-style-type: none"> ■ Visual intrusion caused by construction of site access road ■ Loss of stockpiled topsoil during construction of access road 	<p>Duration of site establishment phase (<1 month)</p>	<p>Possible</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Low Medium Concern</p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p>

<ul style="list-style-type: none"> ■ Dust nuisance as a result of the construction of access road ■ Noise nuisance generated by earthmoving machinery. ■ Potential erosion of denuded areas. ■ Potential contamination of footprint area and surface runoff as a result of hydrocarbon spillages. 		<p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Low-Medium Concern</p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p>
<p><u>Mining of aggregate / gravel</u></p> <ul style="list-style-type: none"> ■ Soil contamination from hydrocarbon spills. ■ Disturbance to fauna within the footprint area. ■ Noise nuisance as a result of the mining activities. ■ Potential impact on areas/infrastructure of heritage or cultural concern. 	<p>Duration of operational phase (5 years maximum)</p>	<p><u>LIKELIHOOD</u></p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p><u>SIGNIFICANCE</u></p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p> <p>Low-Medium Concern</p>
<p><u>Crushing, screening, stockpiling and transporting material from site:</u></p> <ul style="list-style-type: none"> ■ Loss of stockpiled material due to ineffective storm water control ■ Dust nuisance as a result of the mining activities. ■ Visual intrusion as a result of operation of the processing plant ■ Noise nuisance as a result of the mining activities. ■ Potential impact associated with littering and hydrocarbon spills. ■ Infestation of denuded areas with invader plant species. ■ Deterioration of the access road to the mining area. ■ Overloading of trucks having an impact on the public roads. 	<p>Duration of operational phase (5 years maximum)</p>	<p><u>LIKELIHOOD</u></p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Possible</p>	<p><u>SIGNIFICANCE</u></p> <p>Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Low Medium Concern</p> <p>Medium Concern</p> <p>Medium Concern</p>
<p><u>Sloping and landscaping upon closure of the mining area:</u></p> <ul style="list-style-type: none"> ■ Erosion of returned topsoil after rehabilitation. ■ Infestation of the reinstated area with invader plant species. ■ Noise nuisance as a result of the decommissioning activities 	<p>Duration of decommissioning phase (±2 months)</p>	<p><u>LIKELIHOOD</u></p> <p>Low Possibility</p> <p>Low Possibility</p>	<p><u>SIGNIFICANCE</u></p> <p>Medium Concern</p> <p>Medium Concern</p>

<ul style="list-style-type: none"> ■ Potential impact associated with litter/hydrocarbon spills left at the mining area. ■ Return of the mining area to agricultural use by the landowner (Positive Impact). 		<p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Definite</p>	<p style="text-align: center;">Low Medium Concern</p> <p style="text-align: center;">Medium Concern</p> <p style="text-align: center;">Medium-High (+)</p>
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<p><u>Mining of aggregate / gravel</u></p> <ul style="list-style-type: none"> ■ Soil contamination from hydrocarbon spills. ■ Disturbance to fauna within the footprint area. ■ Noise nuisance as a result of the mining activities. ■ Potential impact on areas/infrastructure of heritage or cultural concern. 	<p>Duration of operational phase (5 years maximum)</p>	<p><u>LIKELIHOOD</u></p> <p>Low Possibility Low Possibility Low Possibility</p> <p>Possibility</p> <p>Low Possibility</p>	<p><u>SIGNIFICANCE</u></p> <p>Low-Medium Concern Low-Medium Concern</p> <p>Low-Medium Concern Low-Medium Concern Low-Medium Concern</p>
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