

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>TYPE OF IMPACT</u>	<u>DURATION</u>	<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
<p><u>Site Establishment / Construction Phase:</u></p> <p><u>Stripping and Stockpiling of Topsoil:</u></p> <ul style="list-style-type: none"> ✦ Visual intrusion associated with the establishment of the mining area. ✦ Dust nuisance caused by the disturbance of soil. ✦ Noise nuisance caused by machinery stripping and stockpiling the topsoil. ✦ Infestation of the topsoil heaps by weeds and invader plants. ✦ Loss of topsoil due to incorrect storm water management. ✦ Contamination of area with hydrocarbons or hazardous waste materials. 	<p>Planning Phase</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 – Medium Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p>
<p><u>Operational Phase:</u></p> <p><u>Excavation:</u></p> <ul style="list-style-type: none"> ✦ Visual intrusion associated with the excavation activities. ✦ Dust nuisance due to excavation activities. 	<p>Duration of operational phase minimum of 3 years</p>	<p>Definite</p> <p>Low Possibility</p>	<p>Low - Medium Concern</p> <p>Low Concern</p>

<ul style="list-style-type: none"> ✦ Noise nuisance generated by excavation equipment. ✦ Unsafe working conditions for employees. ✦ Negative impact on the fauna and flora of the area. ✦ Contamination of area with hydrocarbons or hazardous waste materials. ✦ Weed and invader plant infestation of the area. 		<p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Low - Medium Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p>
<p><u>Loading and transporting:</u></p> <ul style="list-style-type: none"> ✦ Dust nuisance from loading and vehicles transporting the material. ✦ Degradation of access roads. ✦ Noise nuisance caused by vehicles. ✦ Contamination of area with hydrocarbons or hazardous waste materials. 	<p style="text-align: center;">Duration of operational phase minimum of 3 years</p>	<p>Low Concern</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Low Concern</p> <p>Low – Medium Concern</p> <p>Low Concern</p> <p>Low Concern</p>
<p><u>Decommissioning Phase:</u></p> <p><u>Sloping and landscaping during rehabilitation:</u></p> <ul style="list-style-type: none"> ✦ Soil erosion. ✦ Health and safety risk posed by un-sloped areas. ✦ Dust nuisance caused during sloping and landscaping activities. ✦ Noise nuisance caused by machinery. ✦ Contamination of area with hydrocarbons or hazardous waste material. <p><u>Replacing of topsoil and rehabilitation of</u></p>	<p style="text-align: center;">Duration of decommissioning phase</p>	<p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p>

<p><u>disturbed area:</u></p> <ul style="list-style-type: none">■ Loss of reinstated topsoil due to the absence of vegetation.■ Infestation of the area by weed and invader plants.		<p>Low Possibility</p> <p>Low Possibility</p>	<p>Low Concern</p> <p>Low Concern</p>
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