

## TRAFFIC AND TRANSPORTATION MANAGEMENT PLAN (2017/BES/MPR/04)

Project aspect	Objectives of mitigation	Management actions	Monitoring		
			Methodology	Frequency	Responsibility
<b>a) CONSTRUCTION PHASE</b>					
Local Traffic disturbance due to employee and material transportation during the construction phase	<p>Minimize the impact of the construction activities on the local traffic.</p> <p>Avoid accidents with local pedestrians and employees and animals on all roads</p>	<ol style="list-style-type: none"> <li>1. Limited construction vehicles on regional roads during peak traffic.</li> <li>2. Ensure that all construction vehicles comply with all roadworthy and safety regulations from Industry and Province.</li> <li>3. Comply with all National and Provincial traffic regulations with special reference to road signals and with special attention to intersections.</li> <li>4. Implement a comprehensive and safe and adequate road management plan including Provincial and Private roads and ensure that all employees and contractors comply with all Provincial and Company regulations.</li> <li>5. Avoid unnecessary traffic in the site to limit soil erosion and dust emission.</li> <li>6. Emphasize road safety on all Safety meetings</li> </ol>	Road and safety requirements to be monitored throughout construction.	During construction	Construction/Site manager and safety manager
Generation of pollution air emissions by vehicles, earth moving. Construction of access roads and hard standing areas during construction	<p>Limit the release of air pollutants from vehicles and construction equipment.</p> <p>Limit dust emission</p>	Comply with all roadworthy and safety standards of the Province and Company at all time for all construction and maintenance vehicles	<p>Ensure to limit release of air pollutants to an adequate level during construction phase.</p> <p>Measure dust emission on strategic localities</p>	Four times during the estimated 18 month construction period, i.e. Before and then every six months	Project Developer. Site manager and Environmental and safety managers

Project aspect	Objectives of mitigation	Management actions	Monitoring		
			Methodology	Frequency	Responsibility
Generation of pollution emission	Maintain lowest emission of air pollution	Compliance of all Company and Provincial roadworthy and safety regulations and standards at all time for all operation vehicles	Ensure release of air pollutants are limited and maintain adequate level during operation activities	Before operations and then Yearly	Project Operator and Safety and Environmental managers
Generation of dust due to the state of the road network on the solar site	Maintain lowest production of dust	Cover all materials and products which have potential to generate dust (e.g. topsoil or cement). Ensure that road network is maintained to a good state during the entire operation phase to avoid dust and erosion. Implement management strategies for dust generation e.g. apply dust suppressant on exposed areas and stockpiles.	Limit dust generation to minimum and comply with industrial standards	Monthly	Project Operator as well as Safety and Environmental managers
Noise generation	Maintain lowest production of noise	Limit noisy maintenance/operational activities to daytime only	Compliance with all safety regulations pertaining to noise during the operational/maintenance activities. Noise at the nearest farmsteads to be less than the 45 dBA presented in SANS 10103:20012 for rural areas.	Every three months	Project Operator as well as Safety and Environmental managers

Project aspect	Objectives of mitigation	Management actions	Monitoring		
			Methodology	Frequency	Responsibility
Disturbance of local traffic due to material and workers transport onto and from site during the duration of the decommissioning activities	Minimize the impact of the decommissioning activities on the local traffic and avoid accidents with pedestrians, animals and other drivers on all the local, private and Provincial roads	Avoid vehicles movement on the regional road during peak traffic time. Comply with all roadworthy regulations of the Company and Province. Implement clear and visible signalization around the site indicating movement of vehicles to ensure safe entry and exit roads.	Road and safety requirements to be monitored throughout decommissioning	During decommissioning	Safety and Environmental managers
		Implement a comprehensive and adequate road management plan including external and internal roads to be applied by all employees and contractors on site. Determine and restrict use of transportation routes during the decommissioning phase.			

