ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE DEVELOPMENT OF A SERVICE STATION (AK PLAZA SERVICE STATION) ON ERF 3289, MONDESA, SWAKOPMUND

Proponent: Namaza Investments cc | Tel. 064 400 550 | P.O. Box 7227 | Swakopmund

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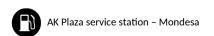
Submitted to:

Ministry of Environment and Tourism
The Environmental Commissioners Office
Department of Environmental Affairs (DEA)
Private Bag 13306
Windhoek, Namibia

Distribution to:

Namaza Investments cc Swakopmund Municipality Erongo Regional Council Ministry of Environment and Tourism Ministry of Mines and Energy

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Project Details	
Project Title	The proposed development of the <i>AK Service Station</i> is planned for a parcel of land situated on erf 3289, Mondesa, Swakopmund <i>GPS Position:</i> 22°39'00"S; 014° 33'20"E. The envisioned project entails the construction of a standard service station with 3 dispensing pumps (petrol and diesel) with 2 double walled Underground Storage Tanks of 45 cubic metres, as well as a business plaza consisting a supermarket, pharmacy, doctors practice and general retail shop. The service station will also have a canopy covered forecourt, ablutions, tyre fitment & oil changing facilities, convenience store and street upgrading in order to provide safe access to the proposed service station.
Environmental Clearance:	Environmental Clearance Certificate to be issued in the name of the Proponent and, a copy send to the Environmental Assessment Practitioner.
Report status:	Final Environmental Impact Assessment report
Proponent:	Namaza Investments cc CC/2009/3926 P.O. Box 7227, Swakopmund Tel: 064 400 550 Cell: 085 1 851126 Email: tatejappy@me.com
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	Email: j88antonius@gmail.com
Date:	30 March 2020
Approved by:	
Signature:	



Declaration of Independence: Environmental Assessment Practitioner

I, Julius Antonius declare that:

- I act as the independent environmental assessment practitioner in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favorable to the applicant.
- I declare that there are no circumstances that may compromise my objectivity in performing such work.
- I have expertise in conducting and reviewing environmental impact assessments, including knowledge of the Environmental Management Act No 7 of 2007, its associated Environmental Impact Assessment Regulations and any guidelines that have relevance to the proposed activity.
- I will comply with the Act, Regulations and all other applicable legislation.
- I have no, and will not engage in, conflicting interests in the undertaking of the activity.
- I undertake to disclose to the applicant and the competent authority all
 material information in my possession that reasonably has or may have the
 potential of influencing any decision to be taken with respect to the application
 by the competent authority, and the objectivity of any report, plan or
 document to be prepared by myself for submission to the competent
 authority;
- I will ensure that information containing all relevant facts in respect of the
 application is distributed or made available to interested and affected parties
 and the public and that participation by interested and affected parties is
 facilitated in such a manner that all interested and affected parties will be
 provided with a reasonable opportunity to participate and to provide
 comments on documents that are produced to support the application.
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report.
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;
- I will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations and;
- I realise that a false declaration is an offence in terms of Regulation 30 (a) of the Regulations and is punishable in terms of Regulations 30 (2) of the Regulation and Section 43 (2) (a) and (b) of the Environmental Management Act No 7 of 2007.
- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations.

Signature (EAP)

Mr. Julius Antonius





ENVIRONMENTAL MANAGEMENT

This section outlines the Environmental Management Plan (EMP) wherein the HSES impact mitigation measures are proposed and considered. The EMP is structured so as to provide its various intended recipients (Developer, ER, consulting engineers and contractors) with mitigation measures immediately applicable to their respective scopes of work. The management requirements for the various recipients carrying out work for this project are divided according to the main project phases.

Planning and Design: Service Station

During the phases of planning for future operations, construction and decommissioning of the facility, it is the responsibility of proponent to ensure they are and remain compliant with all legal requirements. The proponent must also ensure that all required management measures are in place prior to and during all phases, to ensure potential impacts and risks are minimized. The following actions are recommended for the planning phase and should continue during various other phases of the project:

- Ensure that all necessary permits from the various ministries, local authorities and any other bodies that governs the construction (maintenance) activities and operations of the project remains valid.
- Ensure all appointed contractors and employees enter into an agreement, which includes the EMP.
- Ensure contractors, subcontractors, employees and all personnel understand the contents of the EMP.
- Make provisions to have a Health, Safety and Environmental Coordinator to implement the EMP and oversee occupational health and safety as well as general environmental related compliance at the site.
- Furthermore, have the following emergency plans, equipment and personnel on site where reasonable to deal with all potential emergencies:
 - Risk management / mitigation / EMP/ Emergency Response Plan and HSE Manuals
 - Adequate protection and indemnity insurance cover for incidents;
 - Comply with the provisions of all relevant safety standards;
 Procedures, equipment and materials required for emergencies.
 - If one has not already been established, establish and maintain a fund for future ecological restoration of the project site should project activities cease and the site is decommissioned, and environmental restoration or pollution remediation is required.
- Establish and / or maintain a reporting system to report on aspects of construction activities, operations and decommissioning as outlined in the EMP.
- Keep monitoring reports on file for submission with environmental clearance certificate renewal applications where needed.
- Appoint a specialist environmental consultant to update the EA and EMP and apply for renewal of the environmental clearance certificate prior to expiry.

HSES Impact mitigation strategies

The following general mitigation strategies are recommended for the planning and design phase to reduce identified HSES impacts:

- Design boundary fencing in such a way that small burrowing and domestic animals do not enter the project site.
- Buildings must be designed such as to minimise the transmission of noise from the inside to the outdoors. In doing so, ensure that the facility is designed to take into account the maximum allowable equivalent continuous

- day and night rating levels of the potentially impacted sites outside the project boundary.
- Fuel tanks and fuel dispensers should be designed and installed in line with SABS and the manufacturer's recommendations. Installation should be done with care as damage can occur during installation.
- Ensure landscaping designs prohibits the planting of potentially alien invasive plant species (e.g. Tecoma stans, Pennisetum setaceum, etc.) for decorative purposes and incorporates indigenous vegetation that is adapted to local weather conditions.

Strategies to optimize Socio-Economic Benefits

The following mitigation measures are recommended for the planning and design phase to reduce the impact on the socio-economic aspects.

- The contractor should be required to employ locally (i.e. from Swakopmund, primarily Mondesa, DRC and Maetago) where possible. The requirements for employing local people should be formalised within the contractor's contract. Should a position be offered to non-local person the contractor should be able to prove that no local person qualifies for such a position, through advertising.
- A provision stating that all unskilled labour should be sourced from local communities should be included within tenders concerning the construction and/or maintenance of services infrastructure.
- Provisions promoting gender equality pertaining to recruitment should be included within tender documents concerning the construction and/or maintenance of services infrastructure.
- Women should be given preference for certain unskilled jobs (e.g. flag bearers).
- It is crucial that the project procurement criteria include requirements for training and skills development of the contractor's workforce by the contractor. The training should be able to capacitate the employees to apply for permanent positions during the operations of the solar power facilities.
- The proponent must follow up to ensure that the contractor is indeed following the guidelines as prescribed in this EMP.

Responsibilities

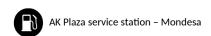
The responsibility for the implementation of the EMP ultimately lies with the proponent, who is also responsible for the eventual operation of these developments. The implementation of the EMP requires the involvement of several key individuals appointed by the proponent, each fulfilling a different but vital role to ensure sound environmental management during each phase of these developments.

The following positions and their respective responsibilities are outlined below:

- Employer's Representative: to manage projects during different phases.
- Environmental Control Officer: to oversea the implementation of EMP
- SHES Officer: Construction and Operations and Maintenance).

Employer's Representative (ER)

The ER is appointed by the Developer to manage all contracts for work/services that are outsourced during all development phases. Any official communication regarding work agreements is delivered through this person. The ER should with the commencement of the project appoint a competent ECO who will represent the Developer on-site. He/she will have the responsibility regarding the implementation of this EMP to ensure the necessary legal authorisations have been obtained; and to develop, managing implementation of and maintaining all development.



Environmental Control Officer (ECO)

The ECO should be a competent person who is the Developer's on-site representative primarily responsible for the monitoring and review of on-site environmental management and implementation of the EMP by the Contractor. If no ECO is appointed the duties of the ECO fall upon the ER.

The ECO's duties include the following:

- Assisting the ER in ensuring that the necessary legal authorisations have been obtained;
- Maintaining open and direct lines of communication between the ER, Developer, the Construction and/or Operations and Maintenance Contractor, and Interested and Affected Parties (I&APs) with regard to this EMP and matters incidental thereto:
- Monthly site inspection of all construction and/or infrastructure maintenance areas with regard to compliance with this EMP;
- Monitor and verify adherence to the EMP (audit the implementation of the EMP) and verify that environmental impacts are kept to a minimum:
- Be fully conversant with the Environmental Management Plan.

Safety Health and Environmental (SHES) Officer

The SHES Officer should be a competent person to oversee safety, health and environmental affairs. He/she has the following responsibilities:

- Convey the contents of this EMP to the contractor and undertake inspection of the site to monitor compliance with the EMP.
- Report any non-compliance or remedial measures that need to be applied to the appropriate environmental authorities, in line with the requirements of the EMP.
- Submitting a report at each site meeting which documents all incidents that have occurred during the period before the site meeting.
- Be fully conversant with the Environmental Management Programme.

Monitoring

A monitoring programme will be in place not only to ensure compliance with the EMP through the contract/work instruction specifications, but also to monitor any environmental impacts which have not been accounted for in the EMP. The following measures will be incorporated as part of the monitoring programme:

- A monitoring programme will be implemented for the duration of the construction phase. This programme will include monthly audits that will be conducted by the ECO/s for the duration of the construction phase – the ECO shall undertake this environmental monitoring with the audits considering compliance with the EMP, the EIA conditions, as well as the conditions of any permits and/or licenses.
- On-going monitoring is to be undertaken by the Contractors' Environmental Manager/Officer – this will include notification to the ECO and proponent EO should an incident take place.
- External auditing may take place at unspecified times by the authorities and/or other relevant authorities.
- An independent, suitably qualified, auditor will need to be contracted to conduct an audit once the construction phase of the project is completed according to the provisions of the EMP.
- The Contractor's Environmental Officer must undertake regular site inspections (at least twice weekly) to ensure all legislative requirements are adhered to. Proof of such inspections shall be kept on reference or for audit purposes.

Contractor

The Contractor is responsible for the implementation of the EMP, on-site monitoring and evaluation of the EMP. It is envisaged that various contractors might be appointed at various periods for various tasks throughout the life cycle (construction through to decommissioning phase) of this project. In order to ensure sound environmental management, the relevant sections of this EMP should be included in all contracts of work outsourced thus legally binding all appointed contractors and sub-contractors.

Furthermore, all contractors shall ensure that adequate environmental awareness training of senior site personnel takes place and that all construction workers and newcomers are inducted on the environmental, health and safety issues related to the project as well as importance and implications of the proposed EMP. The induction process shall be conducted, as far as is possible, in the employees' language of choice. All environmental training sessions, including names, dates and the information presented should be recorded and be kept on site.

Environmental Specifications: Awareness, Training and Competence

It is important to ensure that all personnel have the appropriate level of environmental awareness and competence to ensure continued environmental due diligence and ongoing minimisation of environmental harm. To achieve effective environmental management, it is important that employees, Contractors and Subcontractors are aware of the responsibilities in terms of the relevant environmental legislation and the contents of this EMP.

Environmental training may typically include the following:

- Employees must have a basic understanding of the key environmental features of the construction site and the surrounding environment;
- Employees will be familiar with the requirements of the EMP and the environmental specifications as they apply to the construction of the power station.
- Basic training in the identification of archaeological artefacts, and rare and endangered flora and fauna that may be encountered on the site.
- Awareness of any other environmental matters, which are deemed to be necessary by the ECO.

Records must be kept of those that have completed the relevant training. Training can be done both in a written or verbal format and in an appropriate language but will be in an appropriate format for the receiving audience. Where training has been done verbally, persons having received training must indicate in writing that they have indeed attended a training session. A regular form of written or verbal testing will have to be designed.

The Construction Phase and Construction Mitigation Details

All activities involved in the development phases of the service station have been identified together with all aspects that may have potential impacts. The construction phase of the EMP aims to address environmental and social risk pertaining to the construction phase.

The following table provides the Environmental Management Plan and the EMP Implementation Strategy a large scale overview of all the major environmental management themes pertaining to the project activities.



Table 1: Environmental Management Plan (EMP)

Aspect	Impact	Mitigation	Indicator	Responsible Party
Waste Management Plan	There is a potential environmental contamination and degradation from waste on site.	The Contractor should compile a Waste Management Plan which should address as a minimum the mitigation measures included below	Correct handling of waste	Contractor and ECO
Hazardous waste	Impact on soil and water.	 All heavy construction vehicles and equipment on site should be provided with a drip tray. The drip trays should be cleaned daily and spillage handled, stored and disposed of as hazardous waste. Maintenance and washing of construction vehicles should be take place only at a designated workshop area. The workshop should have an oil-water separator for collected run-off from washing. Spilled cement and/or concrete (wet or dry) should be treated as hazardous waste and disposed of by the end of each day in the appropriate hazardous waste containers. All hazardous substances or chemicals should be stored in a specific location on an impermeable surface that is bunded. 	Correct handling, use and storage of materials, including hazardous material.	Contractor and ECO
General waste	The incorrect management of solid waste can result in the pollution of soil, groundwater and the general environment. Windblown litter can also contribute to a negative visual impact.	 The construction site should be kept tidy at all times. All domestic and general construction waste produced on a daily basis should be cleaned and contained daily. No waste may be buried or burned. Waste containers (bins) should be emptied regularly and removed from site to a recognised (municipal) waste disposal site. All recyclable waste needs to be taken to the nearest recycling depot. A sufficient number of separate bins for hazardous and domestic/ general waste must be provided on site. These should be clearly marked as such. Construction labourers should be sensitised to dispose of waste in a responsible manner and not to litter. No waste may remain on site after the completion of the project 	Complaints from neighbours. No windblown waste. Contamination of the ground and water resources	Contractor and ECO
Sewage and grey water.	Incorrect management of sewage and grey	 Sewage should not be discharged directly onto open soil. All sewage must be removed regularly and disposed of at a recognised (municipal) sewage treatment facility. 	No sewage spills on site. No sewage and	ECO

	waste may contaminate the soil, vegetation and underground water resources.	 Grey water that is not recycled should be removed along with sewage on a regular basis. Separate toilets should be available for men and women and should clearly be indicated as such. Portable toilets (i.e. easily transportable) should be available at the construction site: Sewage needs to be removed on a regular basis to an approved municipal) sewage disposal site. Alternatively, sewage may be pumped into sealable containers and stored until it can be removed. Workers responsible for cleaning the toilets should be provided with latex 	grey water pools on site.	
Environmental Training of workers	Without proper training the health and safety of workers will be at risk and preventable environmental impacts could occur.	 All construction workers are to undergo environmental induction (training) which should include as a minimum the following: Discussion of the potential environmental impacts of construction activities. Employees' roles and responsibilities, including emergency preparedness. Explanation of the mitigation measures that must be implemented when particular work groups carry out their respective activities. 	All employees adhere to the mitigation measures provided in this document.	MET and proponent
Communication	Inability to communicate the Environmental obligations effectively to responsible parties can result in unnecessary environmental degradation.	 To ensure that the construction activities do not result in avoidable impacts on the environment by anticipating and managing the impacts. All site instructions pertaining to environmental matters issued by the Contractor are to be copied to the ECO. All sub-contractors, employees, suppliers or agents etc. must be fully aware of the environmental management requirements detailed in this EMP. Have a copy of the EMP and ECC available on site at all times for reference purposes. 	ECO is aware of decisions taken by the engineer and contractors. All relevant stakeholders are also kept up to date of activity taking place on site.	ECO, Contractor and proponent
Socio-economic impact	The activity could benefit local Communities through job creation, however negative impacts are also possible and	Adhere to the legal provisions in the Labour Act (see Table 1) for the recruitment of labour (target percentages for gender balance, optimal use of local labour and SME's, etc.) in the Contract. The Contractor should compile a formal recruitment process including the following provisions as a minimum: • Recruitment should not take place at construction sites.	Contribute to employment and capacity building in the local community. Creating	Contractor and ECO

	must be controlled.	 Ensure that all sub-contractors are aware of recommended recruitment procedures and discourage any recruitment of labour outside the agreed upon process. Contractors should give preference in terms of recruitment of sub-contractors and individual labourers to those who are qualified and from the project area and only then look to surrounding towns. Clearly explain to all job seekers the terms and conditions of their respective employment contracts (e.g. period of employment etc.) – make use of interpreters where necessary. 	awareness amongst employees and the public.	
Heritage Resources	Heritage resources can be impacted on during the site clearance, earthworks and the construction of the facility.	 Should a heritage site or archaeological site be uncovered or discovered during the construction phase of the project, a "chance find" procedure should be applied in the order they appear below: If operating machinery or equipment stop work; Demarcate the site with danger tape; Determine GPS position if possible; Report findings to the construction foreman; Report findings, site location and actions taken to superintendent; Cease any works in immediate vicinity; Visit site and determine whether work can proceed without damage to findings; Determine and demarcate exclusion boundary; Site location and details to be added to the project's Geographic Information System (GIS) for field confirmation by archaeologist; Inspect site and confirm addition to project GIS; Advise the National Heritage Council (NHC) and request written permission to remove findings from work area; and Recovery, packaging and labelling of findings for transfer to National Museum. Should human remains be found, the following actions will be required: Apply the chance find procedure as described above; Schedule a field inspection with an archaeologist to confirm that remains are human; Advise and liaise with the NHC and Police; and Remains will be recovered and removed either to the National Museum or the 	No heritage artifacts are disturbed or destroyed on site and the NHC is informed should any heritage artifacts be discovered on site.	ECO, Proponent and Contractor

		National Forensic Laboratory.		
Topsoil	Topsoil may be removed during the site preparation and excavation process, which could lead to land degradation.	 To minimise the erosion of topsoil: When excavating, topsoil should be stockpiled in a demarcated area. Stockpiled topsoil should be used to rehabilitate the nearest borrow area (existing borrow pits), if such an area is located less than 20 km from the stockpile. 	All topsoil removed is rehabilitated to its natural state at the end of construction.	ECO and Contractor
Stormwater runoff, erosion, and pollution of surface water and groundwater resources	Contamination of storm water runoff can impact on the surface and groundwater resources. The mismanagement of storm water can furthermore result in erosion	 Prevent storm water from eroding the land and becoming contaminated. Should construction activities for the proposed infrastructure need to take place within the drainage features (i.e. linear development including roads and transmission lines) this must transect the streams at right angles and be limited as far as possible to ensure minimum disturbance of such areas. Demarcate a 100 m no-go zone from ephemeral watercourses during construction to prevent construction activities from occurring near the ephemeral watercourses to prevent further loss of vegetation, erosion and watercourse sedimentation. Any disturbed areas must be rehabilitated as Rubble, sand and waste material resulting from the construction activities must be cleared up but not disposed in any stream or drainage channels as it will impede on the flow in these channels. The abstraction of groundwater must be properly controlled within a prescribed water demand management plan and as required by the license conditions. A critical groundwater level must be determined and the groundwater table must be maintained above such critical levels during water abstraction periods. 	Stormwater not contaminated by construction activities. Storm water control measures are effective at regulating runoff from the site and erosion channels do not develop. Freshwater ecosystems are not unduly disturbed by construction activities within the drainage channels.	Contractor and ECO
Traffic	During the construction phase, it is expected that there will be regular movement of vehicle to and from the site for transportation of workers and materials.	 To ensure that increased traffic volume is managed efficiently to minimise associated impacts: Demarcate roads clearly. Off-road driving should not be allowed. All vehicles that transport materials to and from the site must be roadworthy. Drivers that transport materials should have a valid driver's license and should adhere to all traffic rules. Loads upon vehicles should be properly secured to avoid items 	Traffic is orderly, free flowing and controlled.	Contractor

		 falling off the vehicle. Access road entrances must be demarcated, both at their exit point from existing roads and the entry point to the site. Erect signage to warn motorists about construction activities and heavy vehicle movement where appropriate. 		
Dust	Dust generated from material handling, roads and stockpiles can become a nuisance to neighbours.	 To avoid nuisance impacts caused by dust as far as possible: A watering truck should be used on gravel roads with the most heavy vehicle movement especially during dry and windy conditions. However, due consideration should be given to water restrictions during times of drought. 	No complaints received from public and or site staff.	Contractor and ECO
Noise	The increase in traffic and operation of equipment such as welding and fixing of the racks may result in noise becoming a nuisance.	 To ensure that noise from the construction activities do not exceed unacceptable levels: Work hours should be restricted to between 08h00 and 17h00 where construction involving the use of heavy equipment, power tools and the movement of heavy vehicles is less than 500 m from residential areas If an exception to this provision is required, all residents within the 500 m radius should be given 1 week's written notice. Workers will be required to wear ear protecting devices whenever possible. If the contractor needs to undertake activities outside the hours above, the residential and community receptors within audible range of the activity must be notified within 24 hours in advance of the planned activity. 	No noise complaints received.	Contractor and ECO

Table 2: Working Area Mobilization

Aspect	Impact	Mitigation	Indicator	Responsibility
Demarcate the construction site	Without proper demarcation, the public would be able to access the site and would be at risk.	It is of outmost importance to prevent the encroachment of construction areas into surrounding environments.	Proper fencing in place to demarcate the construction	Contractor
Stockpiling of equipment and materials	Incorrect storing of materials can result in water and soil contamination, dust and or erosion. Incorrect storage and handling of materials also pose a risk of environmental contamination and could jeopardise the safety of public / site staff.	 Ensure that all materials and equipment handled and stored in a manner that environmental contamination and safety hazards are limited. The IPP Contractor shall be advised by the Contractor of the housekeeping arrangements including areas intended for the stockpiling of materials. Implement General Specifications as presented in this document. 	 No public complaints or water/ soil contamination Correct handling, use and storage of materials, including hazardous materials. No incidents of environmental contamination. No accidents or incidents related to the handling of materials. 	Contractor and ECO
Ablution facility	The lack of adequate ablution facilities and recess areas can compromise the health of site staff and result in environmental degradation.	To minimise the potential environmental impacts associated with workers on the site: Implement General Specifications	Adequate ablution facilities are in place.	Contractors and ECO
Removal of vegetation	If the removal of vegetation is done incorrectly it may leave the site prone to erosion and compromise rehabilitation requirements post construction.	To ensure that the site is not prone to erosion and any disturbed areas can be rehabilitated as necessary post-construction: Implement General Specifications.	Topsoil conserved in stockpiles for later use if necessary.	Contractor and ECO
Excavations for bulk earthworks	Created embankments (cut and fill) and retaining walls are required to level and stabilise the site. Excavations are also required to accommodate bulk services which might impact on the environment.	To limit the impact to the environment caused by excavations: Implement General Specifications	No heaps of materials left on site after the construction phase.	Contractor and ECO
Removal of Equipment and temporary structures	If the construction site is not decommissioned it can result in environmental degradation	It is very imperative to leave the impacted area in an acceptable state: Implement General Specifications.	The area impacted by the construction activities pose no threat to the environment	Contractor and ECO

Operations and Maintenance

The following mitigation measures should be complied with and carried out during any maintenance works associated with the services infrastructure within the planned development areas.

Table 3: SHES Mitigation during operation and maintenance

Aspect	Mitigation measure
EMP Implementation	If any construction is to be conducted as part of maintenance works for the services infrastructure within the project area reference must be had to the construction mitigation measures of this EMP.
EMP and Procedures	To ensure the operation of the facility does not result in avoidable impacts on the environment, and that any impacts are anticipated and managed. The proponent must appoint a suitably qualified independent ECO to monitor compliance and compile and environmental audit report. This must be coupled to a compliance audit with the provisions contained within the EMP.
Socio-economic impacts	 To ensure the operation of the facility maximises positive impacts on the socioeconomic environment, the following must be done: Employ local labour for the operational phase, where possible, and particularly for day to day operations and maintenance. Where possible encourage the use of local suppliers for procurement of goods, materials and services. Implement training and capacity building programmes to enhance the ability of local community members to take advantage of available employment opportunities.
Protection of ecology	 To prevent unnecessary disturbance to natural vegetation and fauna. Any alien plants within the site footprint must be immediately controlled to avoid establishment of a soil seed bank. Control measures must follow established norms and legal limitations in terms of the method to be used and the chemical substances used. Ensure removal and control of existing invasive alien plant species (i.e. Prosopis sp.) onsite and within the surrounding 6 m wide fire break.
Stormwater runoff, erosion, and pollution of surface water and groundwater resources.	 Prevent stormwater from eroding the land and becoming contaminated. The areas likely to contribute to contaminated runoff, such as the workshop must be designed to have hardened surfaces equipped with oil and grease traps to capture any contaminated runoff. These must be maintained during operation. Should storm water infrastructure be required, a management plan must be in place to ensure as a minimum that the structures are visually monitored after large rainfall events to ensure that eroded areas do not develop. Any refuse generated must be disposed of in suitable bins and removed from site at regular intervals. Ensure proper groundwater abstraction Management strategies
Visual impact	To protect the sense of place: Keep access roads clear and keep all lighting minimal, within the requirements of safety and efficiency.
Noise impact	To ensure that noise from the operational activities does not exceed unacceptable levels. • All plant, equipment and vehicles must be kept in good repair. • When ordering plant and machinery, manufacturers must be requested to provide details of the sound power level. Where possible, those with the lowest sound power level (most quiet) must be selected.
Monitoring	The ECO should monitor the implementation of the Property Development EMP: before, during and after construction