APPENDIX A: ENVIRONMENTALMANGEMENT PLAN

OVERALL OBJECTIVES OF THE EMP

The following overall environmental objectives have been set for the TradePort Namibia (Pty) Ltd Rezoning and Warehouse Development and mining development project:

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- To limit potential impacts on biodiversity through the minimization of the footprint (as far as practically possible) and the conservation of residual habitat within the site area.
- To keep surrounding communities informed of farming activities through the implementation of forums for communication and constructive dialogue.
- To develop, implement and manage monitoring systems to ensure good environmental performance in respect of the following: ground and surface water, air quality, noise and vibration, biodiversity and rehabilitation.

KEEPING EMPS UP TO DATE

This Environmental Management Plan (EMP) document is designed to meet legal requirements and avoid or minimize the impacts associated with the implementation of TradePort Namibia (Pty) Ltd Rezoning and Warehouse Development and mining development. It is the intention that this EMP should be seen as a "living document" which will be amended during the operation, as the activities might change or new ones be introduced. Should a listed activity(s) as define in the Environmental Impact Assessment Regulations: Environmental Management Act, 2007 (Government Gazette No. 4878) be triggered (as a result of future modifications/changes at the site), this EMP will be updated as a result of another EIA process as stipulated in the regulations.

IMPACTS MANAGEMENT / MITIGATION MEASURES

Table 18. Impact on the Biophysical Environment – Town Planning and Statutory Approvals

Issue	Management commitment	Phase
Development and maintenance of a Stakeholder engagement plan	On obtaining the Environmental Clearance Certificate and other relevant authorization it is recommended that the proponent undertakes a stakeholder engagement process to develop a Communication and Monitoring Plan for continuous reporting and feedback	All
Liaising with I&APs at all phase	Devise and implement a stakeholder communication and engagement strategy.	
Understanding the Stakeholders	Maintain and update the stakeholder register, including stakeholders' needs and expectations. Ensure that all relevant stakeholder groups are included building on pre-identified and registered I&APs.	All
	A representative database would include all relevant local government, service providers and contractors, indigenous populations, local communities, Traditional Authorities (TAs), NGOs, shareholders, the investment sector, community-based organizations, suppliers and the media.	
	Ensure that marginalized and vulnerable groups are also considered in the stakeholder communication process.	
	Record partnerships as well as their roles, responsibilities, capacity and contribution to development.	
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	

Table 20. Impact on the Biophysical Environment – Ground leveling and preparations at construction phase

Impact Event	Disturbances on Biodiversity in respect to sampling and trenching activities
Desired mitigation outcome	The objective of the mitigation in respect to impacts on biodiversity is to ensure that as much as possible, disturbance particularly on wildlife (poaching) and flora (clearing / damage) species is reduced and or prevented.
Proposed Mitigation Measures	• Strict compliance with the Forestry Act and Regulations in respect to vegetation clearing, Conservation guidelines and EMP is recommended in respect to managing incidental events; • Should the proponent require clearing, removal and transplantation of any protected plant species – services of an appropriately qualified botanist / ecologists must be sought and relevant permissions obtained prior to any such activity being undertaken • A plant survey must be conducted and all protected species clearly marked and protected prior to setting-up any sampling site and or digging any trench for geological sampling • Rezoning and Warehouse Development activity must be limited to the pre-identified pegmatites belts within the Portion 99 thus Unless necessary and agreed with the Conservation, no new access tracks shall be created and no lodging shall be allowed in sensitive zones • Temporary bins and spill kits must be provided to ensure that all waste material including hydrocarbons are well contained prior to final disposal at approved sites in either Walvis Bay or Swakopmund Towns • Unless in an emergency, no equipment (vehicles and drill rigs) should be serviced in the field thus preventing unnecessary spillage of hydrocarbons
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)

5.2.2 IMPACTS ON THE SOCIO-ECONOMIC ENVIRONMENT

Table 21. Impact on the Biophysical Environment – Waste Management (Effluent, Solid and Hydrocarbons)

Impact Event	Waste generation and disposal	Phase
Desired mitigation outcome	The objective of the mitigation in respect to waste generation is to ensure that the best scenic value and integrity of the affected environment maintained and or enhanced by reducing chances of littering through proper use of waste management facilities.	
Proposed Mitigation Measures	• Given that lodging is recommended to be at existing camp-sites and or lodges, this aspect shall be managed as part of the current property owner's compliance requirements • Hydrocarbon waste shall be contained (in spill kits) and stored in appropriate heavy-duty plastic cabbage, transported to the nearest waste-oil recycling / solid waste disposal facility in Walvis Bay or Swakopmund Towns • These shall include an on-site used oil disposal bin(s) • Equally, effluent waste shall be managed in compliance with the lodging host's requirements, although during any sampling activities – temporary dry-pit toilet facility must be provided at every site.	•
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	

Table 22. Environmental Impact: Human Health and Safety

Impact Event	Prevention and mitigation of any health and safety hazards / risks	Phase
Desired mitigation outcome	The objective of the mitigation in respect to health and safety hazards is to ensure that the health, safety and protection of both the project staff and community receive priority in terms of budgetary provision and compliance	
Proposed Mitigation Measures	• Strict compliance with the EMP is recommended in respect to managing incidental events; • Carry sufficient First Aid equipment to ensure that minor injuries reduce need to access local health facility and therefore minimizing potential strain on local services • Strict compliance with national health protocols as and when directive is issued in respect to any disease outbreak and or recurring pandemics such as HIV / AIDS • Strict ban on use of any toxic substances within and during the working environment must be prohibited	All
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	

Table 23: Impact on the Social Environment – Air and Noise Pollution

Impact Event	Disturbances to the social environment	Phase
Desired mitigation outcome	The objective of the mitigation in respect to ambient air quality and sense of place / noise and chance is to ensure that all possible receptors are identified and practical measures are put in place to reduce these impacts and or respond with appropriate mitigation to complaints	
Proposed Mitigation Measures	• Strict compliance with the EMP is recommended in respect to managing incidental events; • Noise complaint register must be kept and maintained regularly with mitigation measures adopted accordingly. • All excessive noise generating activities must be strictly carried out during the day between 08h00 (am) and 17h00 (pm) week days only. • Conditions of the Environmental Clearance Certificate and Surface-use Agreement (with the relevant Traditional and Town Authority) must be accordingly adhered to.	
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	

Table 24: Impact on the Social Environment – Culture, Heritage and Scenic values

Impact Event	Disturbances to the heritage and scenic value of the environment	Phase
Desired mitigation outcome	The objective of the mitigation in respect to impacts on cultural and archaeological heritage integrity is to ensure that at all times, project staff are vigilant of the potential to intrude, disturb and or damage important artifacts and therefore must avoid wondering onto any protected and or sensitive known or identified site.	

Proposed Mitigation Measures	• Strict compliance with the EMP is recommended in respect to managing incidental events
	• Contractors working on the site should be made aware that under the National Heritage Act, 2004 (Act No. 27 of 2004) any items protected under the definition of heritage found in the course of development should be reported to the National Heritage Council
	  • The chance finds procedure as outlined in the EMP must be implemented at all times, and.
	  • Detailed field survey should be carried out if suspected archaeological resources or major natural cavities / shelters have been unearthed during the proposed Rezoning and Warehouse Development and test mining operations.	

Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	

Table 25: Impact on the Economic Aspect

Impact Event	Disturbances on social and economic aspects	Phase
Desired mitigation outcome	The objective of the mitigation in respect to economic impacts relating to the proposed activity, is to ensure that potential negative economic impacts on other and existing land-use are prevented, reduced and or mitigated and the positive ones enhanced.	
Proposed Mitigation Measures	• It is critical that timely and continuous communication and dissemination of information with the local community is ensured to alleviate potential sense of social marginalization, drive gender equality and enhance the understanding and perception of the benefits associated with TradePort Namibia (Pty) Ltd 's activities • To enhance the positive impacts relating to marginal net benefits for the micro-economy (local residence of Walvis Bay or Swakopmund Towns Settlement and the region at large) and national economy at larger, legislative provisions to Affirmative Action and Labour Welfare must be observed • It is strictly recommended that TradePort Namibia (Pty) Ltd negotiates and signs a Surface Use Agreement detailing aspects of conduct and benefit distribution with all key stakeholder i.e. Traditional Authority, Park and other Operators or support institutions e.g. NGOs / CSOs)	All
Responsibility	TradePort Namibia (Pty) Ltd and Enviro-Leap Consulting (On contract basis)	