

**ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE PROPOSED
INSTALLATION OF AN ABOVE GROUND PETROL TANK IN OMAIHI,
OKAKARARA CONSTITUENCY, OTOZONDJUPA REGION**



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PREPARED FOR FIVE OCTOBER TRADING CC

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4 ENVIRONMENTAL MANAGEMENT PLAN

This Environmental Management Plan (EMP) was prepared as part of the Scoping Report for the planned aboveground petrol tank development facility by the proponent as part of the Environmental Assessment. The content has been adapted in accordance with the Environmental Management Act of 2007 (Act No. 7 of 2007) Regulation No. 30 of 2012, listing No. 8(j) (aa) (bb) (cc). The goal is to develop management strategies to address the environmental consequences indicated in the Scoping Report.

As mentioned in the preceding chapter, the proposed development will have environmental consequences. The Environmental Management Plan for impacts related with the proposed installation of the aboveground petrol tank is described in this section. Environmental projects must be managed in a methodical, planned, and documented manner, according to the EMP. The Environmental Management Plan outlined below outlines the organizational structure, planning, and monitoring for environmental preservation at the proposed project site development and other locations under its jurisdiction. The goal is to ensure that the proponent has sufficient control over the project's construction and operations so that:

- ✓ Prevent negative consequences whenever possible;
- ✓ Reduce or minimizing the level of impact throughout the project life cycle;
- ✓ Preventing long-term environmental degradation

6.1 Roles and Responsibilities in EMP Implementation

Table 1 Roles and responsibilities for EMP implementation

Roles	Environmental responsibilities
Project Manager	Enforce the EMP implementation to contractors and all project workers.
Environmental Control Officer	<ul style="list-style-type: none">- Implement, review and update the EMP.- Ensure all reporting and monitoring required under EMP is undertaken, documented and distributed as needed- Conduct environmental site training (tool box talks) and

	<p>inductions with the support of an environmental consultant.</p> <ul style="list-style-type: none"> - Conducts environmental audit at work site with the support of environmental consultant. - Close out all non-conformances. - Ensure materials being used on site are environmental friendly and safe.
The Department of Environmental Affairs	<ul style="list-style-type: none"> - Approve the EMP and any amendments to the EMP. - Approve reports of environmental issues and non-conformances as issued. - Review and approve environmental reports submitted as part of EMP implementation.
Environmental Consultant	<ul style="list-style-type: none"> - Conduct and monitor actions required by the EMP if required - Conduct environmental site training and inductions if assistance is required - Conducts environmental audit at work site - Ensure materials being used on site are environmental friendly and safe.
Site/Project Engineers	<ul style="list-style-type: none"> - Control and monitor actions required by the EMP. - Ensure documented procedures are followed and records kept on site.

	<ul style="list-style-type: none"> - Ensure any complaints are passed onto the management within 24 hours of receiving the complaint.
Labour	<ul style="list-style-type: none"> - Follow requirements as directed by site engineers. - Report any potential environmental issues to site engineer/project manager, indicating spilt oil, excess waste, excessive dust generation, dirty water running off the site and other possible non-conformances. - Compliance with the environmental specifications and enforce adherence. - Maintain a record of activities relevant to environmental management.

6.2 Monitoring

Environmental monitoring is taking measurements of important factors at a fine enough level of precision to detect expected changes. The goal of monitoring is to see how effective initiatives to improve environmental quality are. The EMPs provided address recognized areas of concern (possible negative impacts) as well as mitigating strategies, roles, and trackable indicators that can aid in determining the success of activities to improve environmental quality. Both the construction and operational phases have been considered in the EMPs.

Table 2 Monitoring Plans

Negative impacts	Mitigation measures	Responsible person	Monitoring
Construction phase			
Oil spillage	Ensure NO oil spillage occurs	Contractor	Inspection/Observation
Noise		Supervising and	
Dust	Ensure use of Manual	Environmental	
Soil	labour and hand tools	expert	

Operation phase			
General maintenance of the fuel storage tank, regular cleaning of the tank	Oil Spillage Possible asphyxiation of tank cleaners Generation of waste materials, e.g. paints, painting accessories	Ensure use of appropriate PPEs for tank cleaners including oxygen masks. Establish an environmental record keeping system.	Proponent - routine inspection
Generation of Solid waste	If not properly managed, could create hazardous conditions for those within the vicinity of the project site.	Ensure solid waste is collected regularly by professional waste handlers and disposed of at the designated dumping sites.	Proponent
Generation of sewerage, waste water	If not properly managed, could compromise sanitary hygiene of the development result in closure of the facility	Ensure the sewage waste water is collected and disposed of into the properly constructed septic tanks.	Proponent
Decommissioning phase			
Site closure and demolition of the site office, and all other associated infrastructure	Oil spillage Noise Dust Soil destruction	Ensure NO oil spillage occurs Ensure use of Serviceable machinery	Contractor Environmental expert