

SECTION 5

4. ENVIRONMENTAL MANAGEMENT PLAN FOR THE OPERATION OF NILE VOCATIONAL TRAINING CENTRE AT ONATHINGE SOUTH, OMULONDO DISTRICT IN OSHIKOTO REGION

4.1 EMP Administration

This section of the report serves to prescribe mitigation measures to reduce, limit, eliminate or compensate for impacts, to acceptable or insignificant levels. In setting mitigation measures, the practical implications of executing these measures are considered. With early planning at all level of implementation, both the cost and the impacts can be effectively eliminated or minimized to insignificant levels.

This section also outlines the roles and responsibilities of all stakeholders to ensure that the EMP is fully implemented. The proponent has extensive experience in managing service station, and therefore will ensure the successful implementation of the EMP and its administration.

TABLE 1: SOCIO-ECONOMIC IMPACTS AND MANAGEMENT MEASURES

Impact Aspect	Description
Activity	Operation of Nile Vocational Training CENTRE
Impact	Employment creation, skills development, community upliftment
Nature of Impact	Positive
Extent	Local
Duration	Long-term / Permanent
Intensity	Medium
Likelihood	Highly likely

Impact Aspect	Description
Significance	Medium to High (Positive)
Mitigation / Enhancement Measures	• Prioritise employment of local residents • Procure goods and services locally where possible • Promote gender equality and youth inclusion • Provide continuous vocational and agricultural skills training
Responsible Party	VTC Owner / Management
Monitoring	Employment records, training registers
Frequency	Ongoing
Compliance Indicator	Number of local employees and trainees

TABLE 2: SANITATION AND WASTEWATER MANAGEMENT

Impact Aspect	Description
Activity	Use of sanitation facilities during VTC operations
Impact	Health risks and environmental contamination if unmanaged
Nature of Impact	Negative
Extent	Site-specific
Duration	Long-term
Intensity	Medium
Likelihood	Likely
Significance	Medium
Mitigation Measures	• Construct adequate on-site sanitation facilities (VIP latrines or septic system) • Maintain hygienic conditions • Develop a wastewater management plan
Responsible Party	VTC Owner / Management
Monitoring	Sanitation inspections

Impact Aspect	Description
Frequency	Monthly
Compliance Indicator	Upgrade to flushing toilets with lined septic system

TABLE 3: SOLID WASTE MANAGEMENT

Impact Aspect	Description
Activity	Generation of domestic and training-related waste
Impact	Soil pollution and visual degradation
Nature of Impact	Negative
Extent	Site-specific
Duration	Medium-term
Intensity	Low to Medium
Likelihood	Possible
Significance	Low to Medium
Mitigation Measures	• Provide waste bins at strategic points • Separate organic and domestic waste • Compost organic waste where feasible • Prohibit burning or burying of waste • Dispose waste at approved sites
Responsible Party	CENTRE Manager
Monitoring	Waste storage areas
Frequency	Weekly
Compliance Indicator	Clean premises, proper waste storage

TABLE 4: POULTRY AND AGRICULTURAL WASTE MANAGEMENT

Impact Aspect	Description
Activity	Poultry farming and crop production
Impact	Odour, pests, soil and water contamination
Nature of Impact	Negative
Extent	Local
Duration	Long-term
Intensity	Medium
Likelihood	Possible
Significance	Medium
Mitigation Measures	• Regular cleaning of poultry houses • Controlled storage and use of manure • Prevent runoff to surrounding areas • Use manure responsibly for fertilisation
Responsible Party	Agricultural Instructor / CENTRE Manager
Monitoring	Poultry houses and fields
Frequency	Weekly
Compliance Indicator	Absence of odour, pests, runoff

TABLE 5: HEALTH AND SAFETY MANAGEMENT

Impact Aspect	Description
Activity	Vocational training and agricultural operations
Impact	Injury or accidents to staff and trainees
Nature of Impact	Negative
Extent	Site-specific

Impact Aspect	Description
Duration	Medium-term
Intensity	Medium
Likelihood	Rare to Possible
Significance	Medium
Mitigation Measures	• Develop a Health and Safety Plan • Provide PPE where required • Conduct safety inductions • Maintain safe working areas • Establish emergency response procedures
Responsible Party	VTC Management
Monitoring	Safety inspections
Frequency	Monthly
Compliance Indicator	PPE use, accident records

TABLE 6: WATER USE AND CONSERVATION

Impact Aspect	Description
Activity	Water use for irrigation and domestic purposes
Impact	Water wastage or localised shortages
Nature of Impact	Neutral to Negative
Extent	Local
Duration	Long-term
Intensity	Low
Likelihood	Possible
Significance	Low

Impact Aspect	Description
Mitigation Measures	• Promote efficient water usage practices • Repair leaks promptly • Implement water-saving methods
Responsible Party	CENTRE Manager
Monitoring	Water usage checks
Frequency	Monthly
Compliance Indicator	Reduced water losses

TABLE 7: DUST, ODOUR AND NUISANCE MANAGEMENT

Impact Aspect	Description
Activity	Agricultural and poultry operations
Impact	Dust, odour, and nuisance to nearby households
Nature of Impact	Negative
Extent	Local
Duration	Short to Medium-term
Intensity	Low
Likelihood	Possible
Significance	Low
Mitigation Measures	• Maintain clean poultry housing • Manage manure properly • Water dusty areas when necessary
Responsible Party	CENTRE Manager
Monitoring	Site inspections
Frequency	As required

Impact Aspect	Description
Compliance Indicator	No community complaints