

# 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

<b>Impact Aspect</b>	<b>Description</b>
<b>Significance</b>	Medium to High (Positive)
<b>Mitigation / Enhancement Measures</b>	<ul style="list-style-type: none"> <li>• Prioritise employment of local residents</li> <li>• Procure goods and services locally where possible</li> <li>• Promote gender equality and youth inclusion</li> <li>• Provide continuous vocational and agricultural skills training</li> </ul>
<b>Responsible Party</b>	VTC Owner / Management
<b>Monitoring</b>	Employment records, training registers
<b>Frequency</b>	Ongoing
<b>Compliance Indicator</b>	Number of local employees and trainees

**TABLE 2: SANITATION AND WASTEWATER MANAGEMENT**

<b>Impact Aspect</b>	<b>Description</b>
<b>Activity</b>	Use of sanitation facilities during VTC operations
<b>Impact</b>	Health risks and environmental contamination if unmanaged
<b>Nature of Impact</b>	Negative
<b>Extent</b>	Site-specific
<b>Duration</b>	Long-term
<b>Intensity</b>	Medium
<b>Likelihood</b>	Likely
<b>Significance</b>	Medium
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Construct adequate on-site sanitation facilities (VIP latrines or septic system)</li> <li>• Maintain hygienic conditions</li> <li>• Develop a wastewater management plan</li> </ul>
<b>Responsible Party</b>	VTC Owner / Management
<b>Monitoring</b>	Sanitation inspections

<b>Impact Aspect</b>	Description
<b>Frequency</b>	Monthly
<b>Compliance Indicator</b>	Upgrade to flushing toilets with lined septic system

**TABLE 3: SOLID WASTE MANAGEMENT**

<b>Impact Aspect</b>	Description
<b>Activity</b>	Generation of domestic and training-related waste
<b>Impact</b>	Soil pollution and visual degradation
<b>Nature of Impact</b>	Negative
<b>Extent</b>	Site-specific
<b>Duration</b>	Medium-term
<b>Intensity</b>	Low to Medium
<b>Likelihood</b>	Possible
<b>Significance</b>	Low to Medium
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Provide waste bins at strategic points</li> <li>• Separate organic and domestic waste</li> <li>• Compost organic waste where feasible</li> <li>• Prohibit burning or burying of waste</li> <li>• Dispose waste at approved sites</li> </ul>
<b>Responsible Party</b>	CENTRE Manager
<b>Monitoring</b>	Waste storage areas
<b>Frequency</b>	Weekly
<b>Compliance Indicator</b>	Clean premises, proper waste storage

**TABLE 4: POULTRY AND AGRICULTURAL WASTE MANAGEMENT**

<b>Impact Aspect</b>	<b>Description</b>
<b>Activity</b>	Poultry farming and crop production
<b>Impact</b>	Odour, pests, soil and water contamination
<b>Nature of Impact</b>	Negative
<b>Extent</b>	Local
<b>Duration</b>	Long-term
<b>Intensity</b>	Medium
<b>Likelihood</b>	Possible
<b>Significance</b>	Medium
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Regular cleaning of poultry houses</li> <li>• Controlled storage and use of manure</li> <li>• Prevent runoff to surrounding areas</li> <li>• Use manure responsibly for fertilisation</li> </ul>
<b>Responsible Party</b>	Agricultural Instructor / CENTRE Manager
<b>Monitoring</b>	Poultry houses and fields
<b>Frequency</b>	Weekly
<b>Compliance Indicator</b>	Absence of odour, pests, runoff

**TABLE 5: HEALTH AND SAFETY MANAGEMENT**

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

<b>Impact Aspect</b>	<b>Description</b>
<b>Duration</b>	Medium-term
<b>Intensity</b>	Medium
<b>Likelihood</b>	Rare to Possible
<b>Significance</b>	Medium
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Develop a Health and Safety Plan</li> <li>• Provide PPE where required</li> <li>• Conduct safety inductions</li> <li>• Maintain safe working areas</li> <li>• Establish emergency response procedures</li> </ul>
<b>Responsible Party</b>	VTC Management
<b>Monitoring</b>	Safety inspections
<b>Frequency</b>	Monthly
<b>Compliance Indicator</b>	PPE use, accident records

**TABLE 6: WATER USE AND CONSERVATION**

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

<b>Impact Aspect</b>	<b>Description</b>
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Promote efficient water usage practices</li> <li>• Repair leaks promptly</li> <li>• Implement water-saving methods</li> </ul>
<b>Responsible Party</b>	CENTRE Manager
<b>Monitoring</b>	Water usage checks
<b>Frequency</b>	Monthly
<b>Compliance Indicator</b>	Reduced water losses

**TABLE 7: DUST, ODOUR AND NUISANCE MANAGEMENT**

<b>Impact Aspect</b>	<b>Description</b>
<b>Activity</b>	Agricultural and poultry operations
<b>Impact</b>	Dust, odour, and nuisance to nearby households
<b>Nature of Impact</b>	Negative
<b>Extent</b>	Local
<b>Duration</b>	Short to Medium-term
<b>Intensity</b>	Low
<b>Likelihood</b>	Possible
<b>Significance</b>	Low
<b>Mitigation Measures</b>	<ul style="list-style-type: none"> <li>• Maintain clean poultry housing</li> <li>• Manage manure properly</li> <li>• Water dusty areas when necessary</li> </ul>
<b>Responsible Party</b>	CENTRE Manager
<b>Monitoring</b>	Site inspections
<b>Frequency</b>	As required

Impact Aspect	Description
Compliance Indicator	No community complaints