



MINISTRY OF EDUCATION

DIRECTORATE OF OPEN DISTANCE & e-LEARNING

SKILLS FOR A VIBRANT ECONOMY PROJECT (SAVE PROJECT)

ASBESTOS CONTAINING MATERIAL MANAGEMENT PLAN FOR THE REHABILITATION OF THE MALAWI COLLEGE OF DISTANCE EDUCATION AT AREA 3, LILONGWE

Overview

During the rehabilitation of the structures for the Directorate of Open Distance and e-Learning (DODeL) at Malawi College of Distance Education (MCDE) regional office at Area 3, Lilongwe, there is a possibility that the ceiling that will be removed contains asbestos as such the Asbestos Containing Material (ACM) Plan has been developed. This asbestos management plan sets out the arrangements to manage the risks from the demolition of the existing structure at MCDE premises and the safe removal of ACM at the site to minimise the potential harm. No work can start on the demolition of the building without an appropriate assessment for the presence of asbestos.

Roles and Responsibilities

- The contractor will be responsible for the development of ACM Management Plan as part of their Contracts-ESMP;
- DODeL IIT and PIU will be responsible for development of the ACM Management Plan;
- DODeL IIT and PIU will be responsible for supervision and monitoring of the implementation of the ACM Management Plan;
- DODeL IIT and PIU will ensure that there are trainings in the management of the ACM Plan; and
- DODeL IIT have the ultimate authority to ensure that ACMs are managed effectively.

Asbestos management control arrangements

- DODeL IIT and PIU shall develop a detailed ACM Management Plan and will be included in the Contractors-ESMP;
- DODeL IIT and PIU will develop a removal plan before removal of ACM that will be approved by the Malawi Environment Protection Authority (MEPA) in line with the Environment Management (Chemicals and Toxic Substances Management) Regulations);
- Conduct risk assessment for the removal of ACM- provide a risk assessment and plan of work on ACM. DODeL IIT and PIU will review the removal plans of work and risk assessments.
- Removal of any ACM will require a permit-to-work by MEPA. Any work on the ACMs must be done by a competent and approved ACM Specialist. The contractor shall undertake training of all personnel involved in the removal of ACM;
- ACMs should be labelled clearly with the asbestos warning sign or some other warning system (for example colour coding) can be used; and
- ACM may be covered in plastic sheeting before being buried at a safe site identified in consultation with MEPA, DODeL IIT and the Lilongwe City Council.

Table 1- ACM Management, Removal and Disposal Plan

Activities	Responsibility	Specific Management Measure
Planning for Asbestos Containing materials removal	DODeL IIT, PIU, Contractor	<ul style="list-style-type: none"> • Undertaking an asbestos audit prior to/at the beginning of the rehabilitation; • Development of a detailed ACM Management Plan as part of Contractors-ESMP; • DODeL IIT and PIU will before removal of ACM, develop a removal plan that will be approved by MEPA in line with the Environment Management (Chemicals and Toxic Substances Management) Regulations. • Conduct risk assessment for the removal of ACM and provide plan of work on ACM. PIU will review the removal plans of work and risk assessments. • Removal of any ACM will require a permit-to-work by MEPA. Any

		<p>work on the ACMs must be done by a competent and approved ACM Specialist. Training shall be undertaken to all personnel involved in the removal of ACM.</p>
Removal of ACM	Contractor	<ul style="list-style-type: none"> • Removal and disposal of ACM in buildings should only be performed by specially trained personnel, following, internationally recognized procedures. • When possible, the asbestos will be appropriately contained and sealed to minimize exposure. • The asbestos will be treated with a wetting agent prior to removal to minimize asbestos dust. • Provide adequate Personal Protective Equipment to all personnel handling asbestos, including respirators and disposable clothing. • Protection of walls, floors, and other surfaces with plastic sheeting. • Removing the ACM using wet methods, and promptly placing the material in impermeable containers. • Final clean-up with special vacuums.
Transportation and Storage of ACM	Contractor, DODeL, MEPA	<ul style="list-style-type: none"> • If asbestos material is to be stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. • Transporting ACM in leak-tight containers to a secure dumpsite operated in a manner that precludes air and water

		<p>contamination that could result from ruptured containers.</p> <ul style="list-style-type: none"> • ACMs should be labelled clearly with the asbestos warning sign or some other warning system (for example colour coding) can be used.
Disposal of ACM	Contractor, DODeL, MEPA	<ul style="list-style-type: none"> • Disposal of the removed ACM and contaminated materials in an approved dumpsite • ACM may be covered in plastic sheeting before being disposed of at a safe site identified in consultation with MEPA, DODeL and the Lilongwe City Council. • Provide adequate protection to personnel handling asbestos, including respirators and disposable clothing. • The removed asbestos will not be reused.
ACM activities Monitoring	PIU Engineer, DODeL, MEPA	<ul style="list-style-type: none"> • The PIU engineer and DODeL through competent personnel shall supervise the works with ACM. • An ACM Specialist shall be hired by the contractor to assure application of proper protective measures in work with ACM in existing structures. • Monitoring as the work progresses, as well as final air sampling for clearance, by an entity independent of the contractor removing the ACM.