

MONITOR ENVIRONMENTAL POLLUTION

ISCED UNIT CODE: 0521 451 11A

TVET CDACC UNIT CODE: ENV/OS/ENT/CR/02/5/MA

UNIT DESCRIPTION

This unit specifies the competencies required to monitor environmental pollution. It involves assessing air quality, monitoring water quality, monitoring soil quality, monitoring noise pollution and creating environmental pollution awareness

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace functions	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements <i>(Bold and italicized terms are elaborated in the range)</i>
1. Assess air quality	1.1 Air quality determination tools are assembled as per EMCA, (Air quality regulations) 2014 1.2 Air quality emission measurements are recorded as per EMCA Air quality regulations) 2014 1.3 Air pollution emissions are monitored as per EMCA, (Air quality regulations) 2014
2. Monitor water quality	2.1 Point and Non-point pollution sources are mapped as per EMCA (water quality) regulations, 2006 2.2 Water quality sampling tools are assembled as per work procedures 2.3 Water quality sampling is carried out as per work procedures 2.4 Water quality measurements are carried out as per work procedures.
3. Monitor soil quality	3.1 Soil sampling sites are mapped as per work procedures 3.2 Soil sampling tools are assembled as per work requirements. 3.3 Soil sample is collected as per work procedures 3.4 Soil quality sampling recommendations are implemented as per work procedures
4. Monitor noise pollution	4.1 Noise pollution sources are mapped based on EMCA (noise pollution and excessive vibration) regulations 2009 4.2 Noise pollution levels are measured based EMCA (noise pollution and excessive vibration) regulations 2009 4.3 Noise pollution control recommendations are implemented as per EMCA (noise pollution and excessive vibration) regulations 2009 4.4 Noise pollution levels routine inspection is carried out as per work procedure.

5. Conduct environmental pollution awareness	5.1 Environmental pollution emission sources are mapped as per EMCA Cap 387 5.2 Environmental pollution awareness data collection is carried out as per work procedures 5.3 Environmental pollution awareness is carried out as per work procedures 5.4 Environmental pollution control measures are monitored as per EMCA Cap 387.
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