

Air Monitoring Plan for Composting Operations at Ta' Qali CA Site

Air monitoring plan

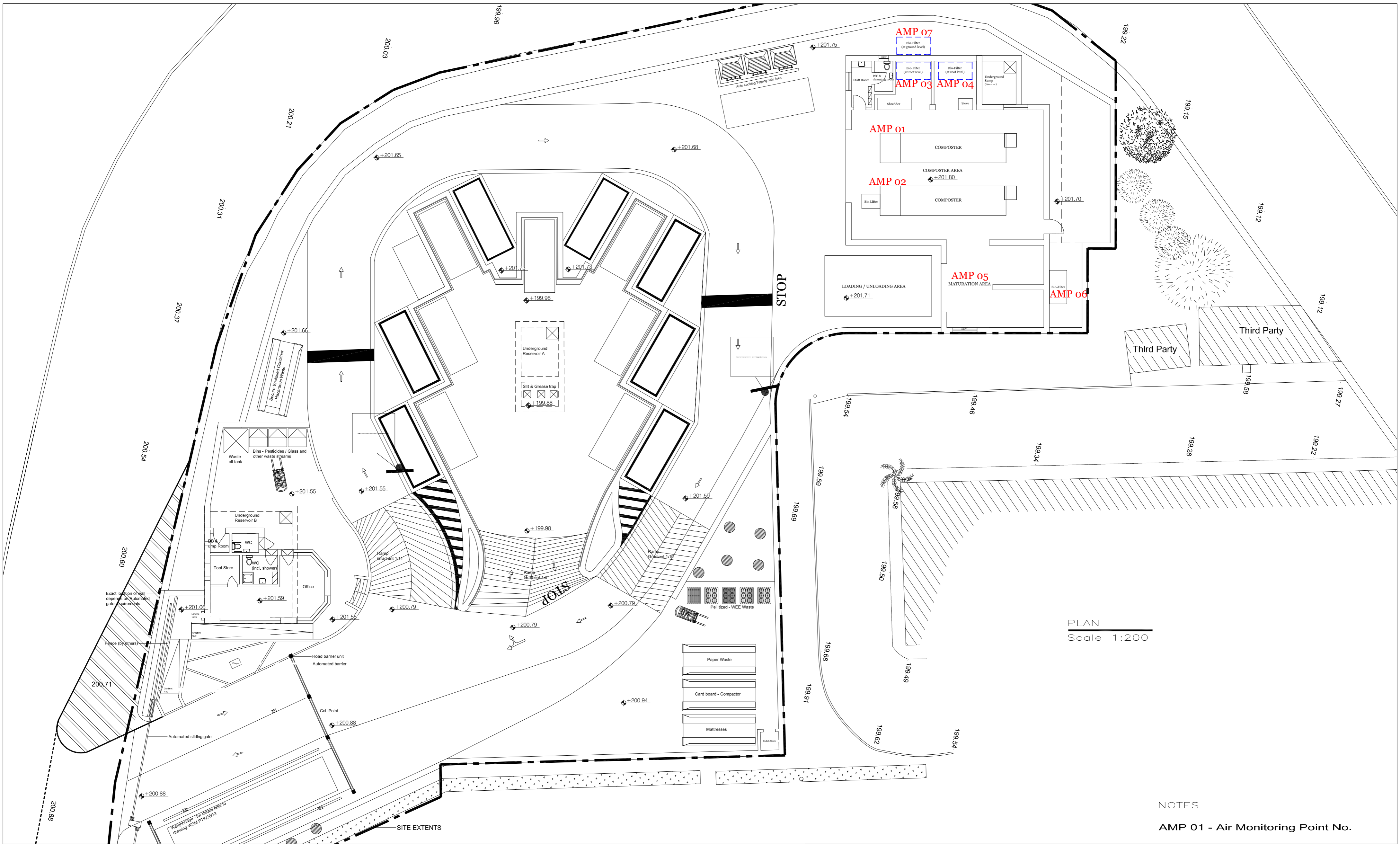
Emission samples shall be taken from AMP 01 to AMP 07 as per drawing attached.

Air monitoring point reference	Source
AMP 1	Ambient
AMP 2	Ambient
AMP 3*	Biofilter 1
AMP 4*	Biofilter 2
AMP 5*	Maturation Area
AMP 6*	Biofilter 3
AMP 7*	Biofilter 4

*Sampling technique for AMP 3, 4, 5, 6 and 7 needs be either through a funnel method or a static chamber.

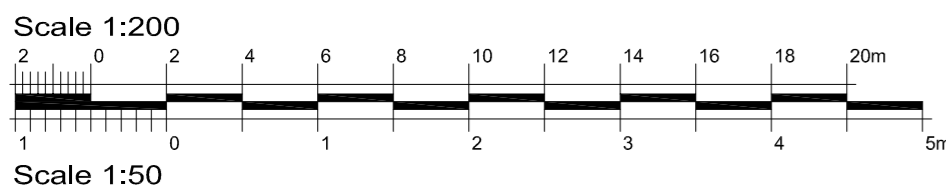
Parameter	Air Monitoring Point	Frequency	Test method	Unit
CO ₂	AMP 1-2, 5	Quarterly analysis of all parameters mentioned	ISO 11042	mg/Nm ³
SO ₂	AMP 1-2, 5		UNI EN 13528-1/2:2003	mg/Nm ³
Methane (CH ₄)	AMP 1-2, 5		EN 25139	mg/Nm ³
Nitrous oxide (N ₂ O)	AMP 1-2, 5		BS EN ISO 21258:2010	mg/Nm ³
H ₂ S	AMP 3-4, 6-7		NIOSH 6013 1994	mg/Nm ³
Mercaptans	AMP 3-4, 6-7		NIOSH 2542 1994	mg/Nm ³
PM ₁₀	AMP 3-4, 6-7		EN 12341:2014	µg/Nm ³
Total dust	AMP 3-4, 6-7		UNI EN 13284-1:2017	mg/Nm ³

Ammonia (NH ₃)	AMP 3-4, 6-7		NIOSH 6015 1994	mg/Nm ³
Total Volatile Organic Compounds (VOCs)	AMP 3-4, 6-7		EN 12619:2013	mg/Nm ³
Bioaerosols	AMP 3-4, 6-7		<i>Aspergillus</i> UNI EN 13098:2002 ISO 21527-1:2008 <i>Escherichia Coli</i> UNI EN 13098:2002 ISO 16649-2: 2001 <i>Yeasts</i> UNI EN 13098:2002 ISO 21527-2:2008 <i>Total coliform Counts</i> UNI EN 13098:2002 ISO 4832:2006	ufc/m ³



PLAN
Scale 1:200

NOTES
AMP 01 - Air Monitoring Point No.



REVISIONS		
rev	date	Details

CLIENT:
WASTESERV
CREATING RESOURCES FROM WASTE

WASTESERV MALTA LTD.

JOB TITLE: Civic Amenity Site Pitkalija			
DRAWING TITLE Air Monitoring Plan Location Drawing			
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