



	UNIT
1	Reception
2	Preparation system
3	Pulper
4	Grit removal system
5	Suspension buffer tank
6	Heat Exchangers (Recovery)
7	Heat Exchangers (Heating)
8	Hygienisation
9	Separator
10	Composting system
11 / 12	WWTP
13	3 x Digesters
14	Flare
15	Gascleaning system
16	Gasholders
18	CHP
19.1-2-3	Ventilator
20	PH adjustment
21	Ozone / UV
22	Carbon filter
23	Chimney

Key to symbols

—	Waste
- - -	Exhaust Gas
- - -	Biogas
- - -	Vent. air
- - -	Sludge
- - -	Process air
- - -	Waste water
- - -	Bulking material

Reference drawings

P1	MAY 13	MING	FIRST ISSUE	MR	AFK
Rev	Date	Drawn	Description	Ch'k'd	App'd



20/F Two Landmark East
100 How Ming Street
Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W www.mottmac.com.hk

Client



Environmental Protection Department
The Government of the Hong Kong
Special Administrative Region

Project

AGREEMENT NO. CE34/2011(EP)
DEVELOPMENT OF ORGANIC WASTE
TREATMENT FACILITIES PHASE 2 -
FEASIBILITY STUDY

Title

PROCESS FLOW DIAGRAM
BIOGAS OPTION A (CHP)

Designed	MR		Eng check	AT	
Drawn	MING		Coordination	AT	
Dwg check	MR		Approved	AFK	
Scale at A1	-	Status	PRE	Rev	P1

Drawing Number

FIGURE 2.3a