



## TECHNICAL ELEMENTS OF THE NAMA PROGRAMME: BUSINESS-AS-USUAL TRAJECTORY AND MITIGATION SCENARIOS

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# I. BAU- METHODOLOGY

- The baseline scenario: without any project activity or any policy changes; biomass and other organic matter are left to decay.
- First Order Decay model

$$BE_{y} = \eta_{\text{PJ}} \times BE_{CH4,SWDS,y} - (1 - \text{OX}) \times F_{CH4,BL,y} \times GWP_{CH4}$$



- Tier 2
- Based on:
  - Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories (default emission coefficients)
  - Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories (GPG 2000)

# I. BAU ASSUMPTIONS

Solid waste disposal	Urban solid waste	Waste collection ratio	2015: 85%; 2020: 90%; 2025: 100%; 2030:100%	National Strategy on Solid Waste
				Management to 2025 vision to 2050
				(Decision 2149/OĐ-TTg, 2009)
		Annual grow rate of	10%	2011 Viet Nam Environment Report -
		waste generation		Solid Waste" – (MONR,E 2011)
		Composition of waste		Synthesizing from "5 year
		(average): 2005 - 2030		environmental reports"
	Rural solid waste	Waste collection ratio	2015: 40%; 2020: 70%	National Strategy on Solid Waste
			2025: 90%; 2030: 100%	Management to 2025, vision to 2050
		Solid waste generation	2015 – 2030:	Expert jugment
		factor per capita	0.34 kg/person/day	
		Population 2015 2030		Vietnamese Popuplation Projection for
		1 opulation 2015 - 2050		the period 2009 – 2049 (GSO, 2011)
		Composition of waste		Synthesizing from "5 year
		(average): 2005 - 2030		environmental reports"
	Industrial	Waste collection ratio	2015: 80%; 2020: 90%	National Strategy on Solid Waste
	solid		2025: 100%; 2030: 100%	Management to 2025, vision to 2050
	SUILU	Annual grow rate of	10%	2011 Viet Nam Environment Report -
	wasic	waste generation	10 %	Solid Waste" – (MONR,E 2011)
	Emission		Unmanaged–deep: 40%;	
	factors	Landfill types: 2005 -	Unmanaged – shallow: 50%;	Expert judgment
	and	2030	Managed – anaerobic: 5%;	Expert judgment
	parameter		Managed-semi-aerobic: 5%	

### **II. MITIGATION SCENARIO - METHODOLOGY**



### **II. MITIGATION SCENARIO ASSUMPTIONS**



Base on waste composition; Decision 2149

## **III. DATA SOURCES**

Activity Data (AD)	AD Source
Solid waste generation in urban area	- Synthesis of Vietnam Environment Administration
Amount of urban solid waste generated	- 5 years environment status Report of Departments of Natural Resources and Environment
Calid maste	- 2011 Viet Nam Environment Report - Solid Waste – (MONRE 2011).

#### 预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5\_4320

