

UGANDA NAMA CONCEPT INTEGRATED BIO-WASTEWATER TREATMENT FOR AGRO-PROCESS INDUSTRY

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PRESENTATION

- Introduction and rationale for NAMA
- NAMA Policy focus
- Technology proposed for NAMA & potential benefits
- Next steps in developing MRV strategy

INTRODUCTION & RATIONALE

- Uganda government considers pollution from wastewater as a major urban environment management problem.
- Less than 1/3rd of industries & factories have wastewater treatment facilities or discharge permits.
- Even though compliance was dominated by low cost aerobic systems, compliance is low and a lot of CO₂ released too.
- Proposed anaerobic - aerobic systems are relatively expensive, but offer a lot of value added benefits, & further reduce pollution load in wastewater & GHG emissions reductions.
- Therefore, a solution that augments current laws is justified.

NAMA POLICY FOCUS

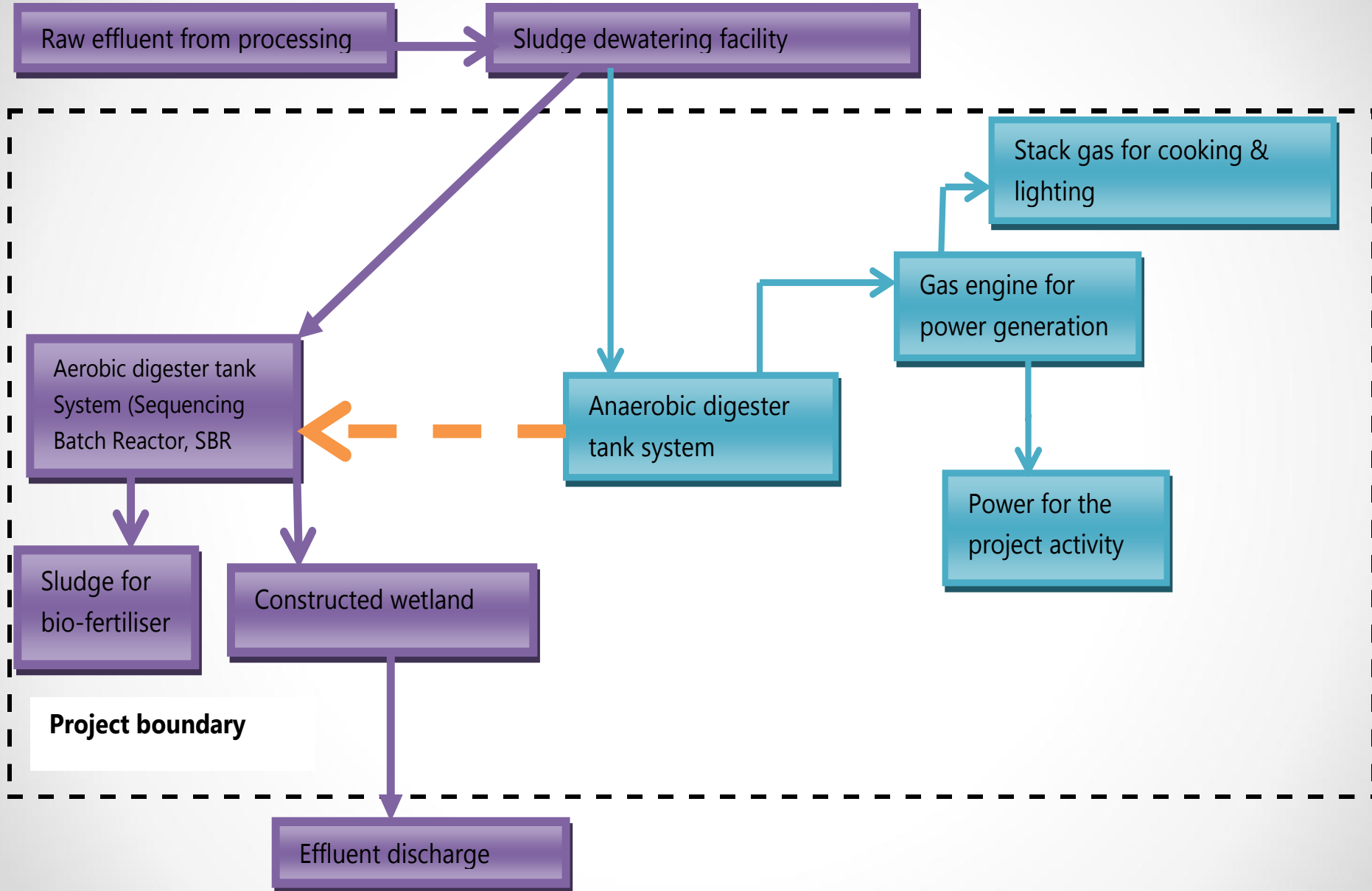
- **Target regulation & policy**

- Water (Waste Discharge) Regulations S.I. 152-4, under the Water Act Cap 152.
- The National Environment (Standards for Discharge of Effluent into Water or on Land) Regulations 1999.
- National Climate Change Policy & Strategic Plan 2014

- **Target industries**

- Fish factories, abattoirs, beverage companies,
- Vegetable oil processors
- Sewage and other urban centre waste water flows

ACTION: Anaerobic-Aerobic Sequence Bio-Reactor (SBR)



BENEFITS OF UNDERTAKING NAMA

Value-addition	Benefits from technology
<ul style="list-style-type: none">• Renewable energy - biogas for electricity generation &• Biogas for cooking	<ul style="list-style-type: none">• Methane captured & some CO₂ is released from energy generation
<ul style="list-style-type: none">• Bio-fertiliser (also under aerobic digester)	<ul style="list-style-type: none">• But methane has a global warming potential 21 times higher than CO₂.
<ul style="list-style-type: none">• Proposals on CDM PoA & NAMA	<ul style="list-style-type: none">• Reducing wastewater pollution flow into freshwater systems and on land

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_5359

