

International Wrap-up Workshop on Safe use of Wastewater in Agriculture

Diagnostic Analysis of
Wastewater Management in
Mauritius

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Wastewater Production and Treatment in Mauritius

Description of the Island

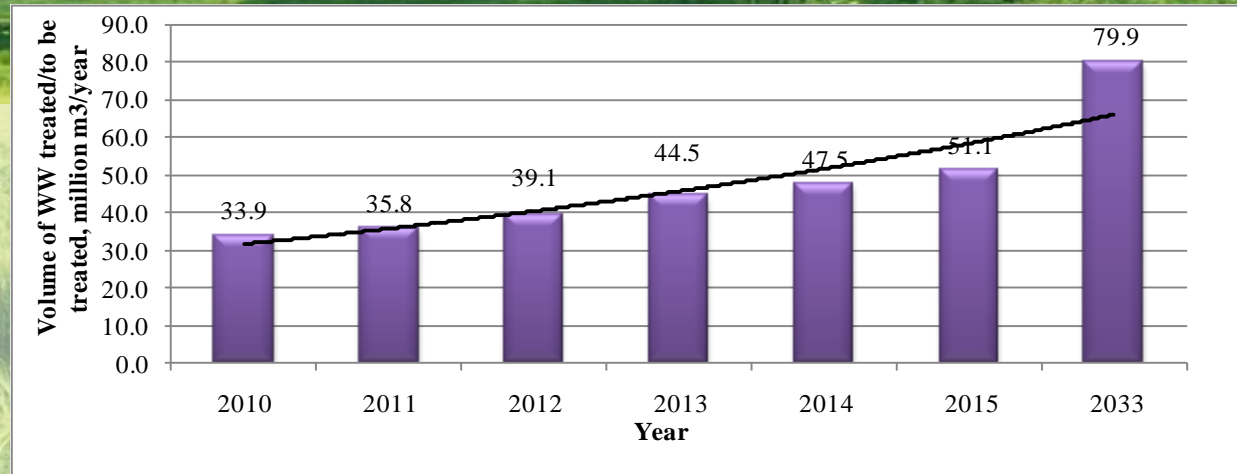
- The Republic of Mauritius lies in the Indian Ocean bearing a surface area of 1,864 km² with a population of 1,293,549 as at end of year 2012.



Wastewater Production and Treatment in Mauritius

•Over the past decades, Mauritius has witnessed a remarkable economic progress combining rapid development, growth and modernization with an overall outcome of raising the standards of living of Mauritians. As a consequence, the volume of wastewater generated from economic, domestic, commercial and industrial activities has been constantly increasing.

•Trend on volume of wastewater to be handled



Wastewater Production and Treatment in Mauritius

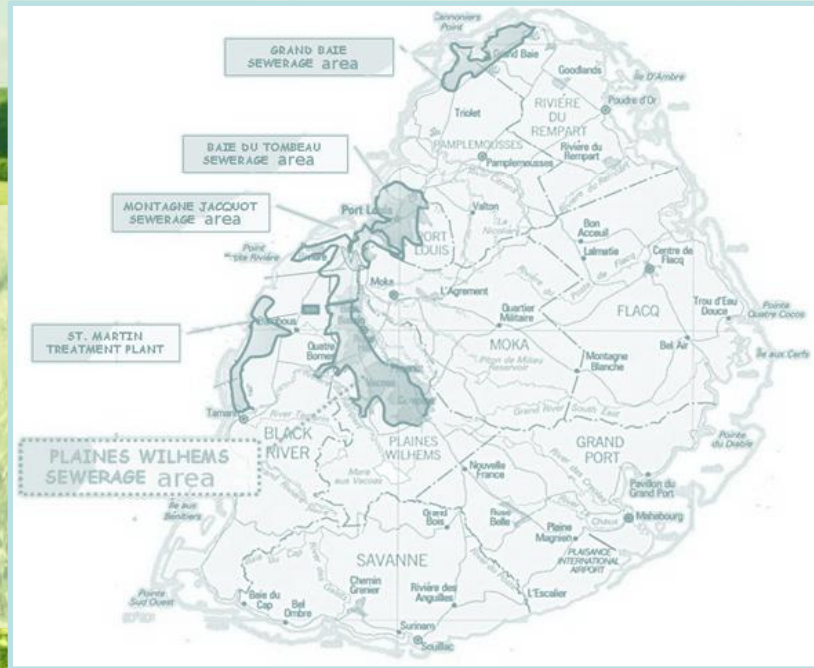
- The Ministry of Energy and Public Utilities is responsible to formulate policies in the energy, water and waste water sectors and to establish a responsive legal framework to govern the development of these sectors.
- The Wastewater Management Authority, established in 2000, operates as an autonomous organisation under the aegis of the Ministry of Energy and Public Utilities (MEPU) and is responsible for the collection, treatment and disposal of wastewater. It plays a vital role in the protection of the environment and in ensuring the country's sustainable development by the provision of appropriate water pollution standards, wastewater control systems and management services to the entire population of Mauritius.
- Major Treatment Plants in Mauritius

WWTP	Type of Treatment	Design Treatment capacity, m ³ /day	Actual Volume Treated, m ³ /day
Baie du Tombeau	Preliminary	48 000	28 000
St Martin	Tertiary	69 000	40 000
Grand Baie	Tertiary	5 500	2000
Mt Jacquot	Primary	48 000	32 000
TOTAL		170 500	102 000

Wastewater Production and Treatment in Mauritius

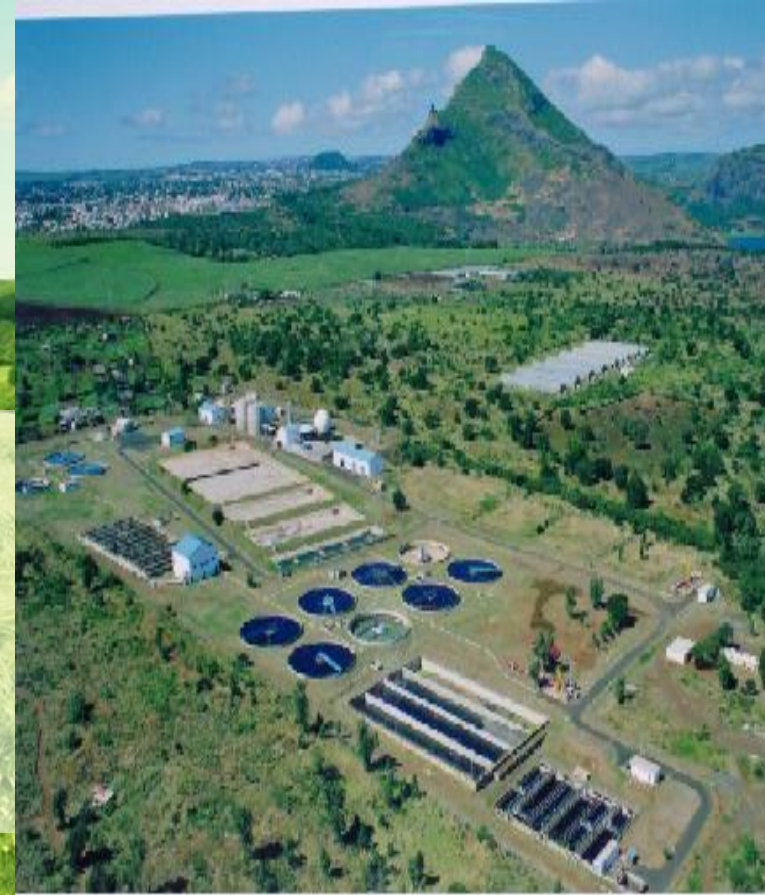
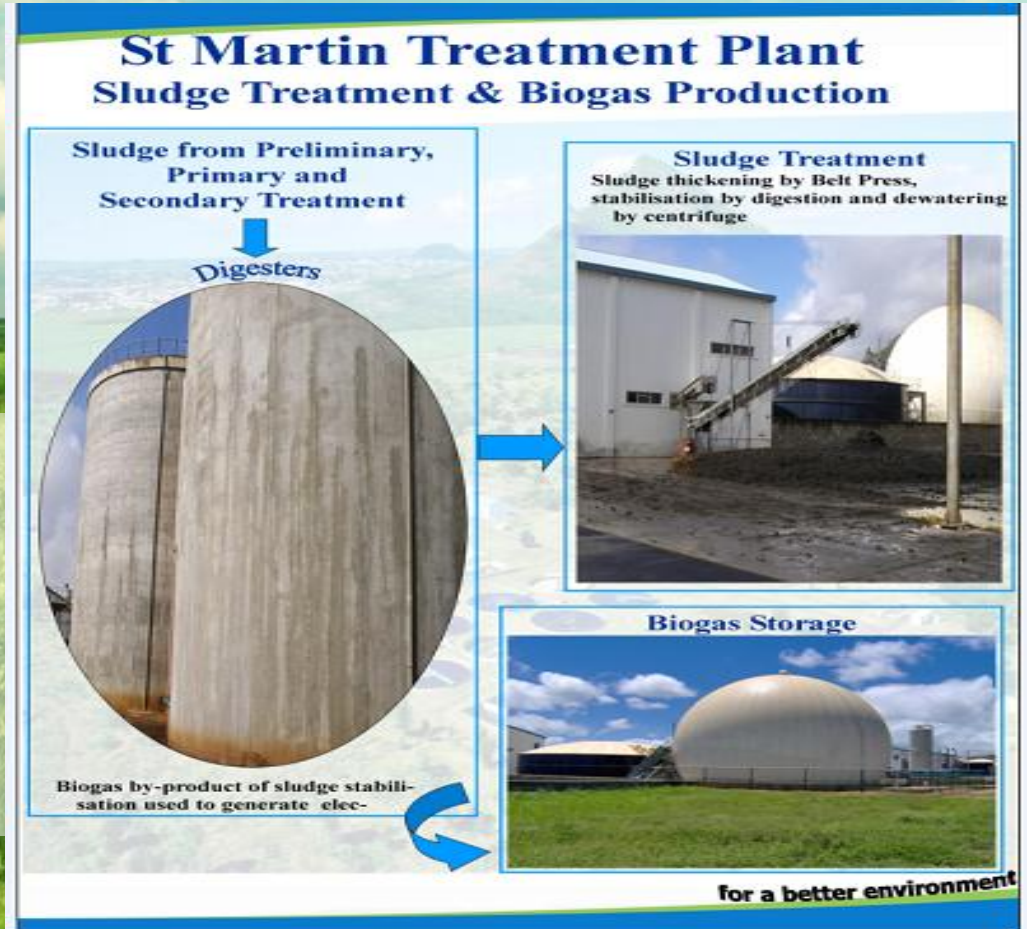
•A National Sewerage Programme was crafted in order to set the scene for addressing the technical, institutional and financial aspects of the wastewater sector in Mauritius. The NSP targets 80% connection to the sewerage system by year 2033 since an estimate of 218,983 m³ volume of effluent will be generated per day in 2033.

•Sewerage Project Areas in Mauritius



Wastewater Production and Treatment in Mauritius

- St Martin WWTP, the largest WWTP in Mauritius



Wastewater use/disposal in Mauritius

- Treated wastewater re-use


Mixing of treated effluent from St Martin WWTP with water from canal La ferme and canal Magenta



Wastewater use/disposal in Mauritius

- Re-use of treated effluent from Grand Baie WWTP





Thank You