THE NEW ROCHE BOIS WASTEWATER PUMPING STATION AND THE BAIE DU TOMBEAU WASTEWATER TREATMENT PLANT

Wastewater Management Authority (WMA)

Assisted by

Development Bank of Southern Africa (DBSA)
Vision & Mission

Vision

• To equip Mauritius with state-of-art sewerage system and ensure a sustainable and clean environment for maintaining the island’s reputation as a dream destination;
• To protect our water bodies and the environment for future generations;

Mission

• Protect water and marine environment of Mauritius;
• Provide excellent quality of wastewater services to residential and business customers;
• Achieve financial sustainability;
• Forge a reliable partnership with all stakeholders sensitive to the cause of the environment.
<table>
<thead>
<tr>
<th>Treatment Plant</th>
<th>Capacity (m$^3$/day)</th>
<th>Ave Treated Wastewater (m$^3$/day)</th>
<th>Treatment Level</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>St Martin</td>
<td>69,000</td>
<td>53,400</td>
<td>Primary, Secondary &amp; Tertiary Treatment (UV disinfection)</td>
<td>Sea Outfall / Reuse in Sugarcane Irrigation</td>
</tr>
<tr>
<td>Baie du Tombeau</td>
<td>48,000</td>
<td>41,000</td>
<td>Preliminary Treatment</td>
<td>Long Sea Outfall</td>
</tr>
<tr>
<td>Montagne Jacquot</td>
<td>48,000</td>
<td>39,700</td>
<td>Primary Treatment</td>
<td>Long Sea Outfall</td>
</tr>
<tr>
<td>Grand Baie</td>
<td>3,500</td>
<td>2,300</td>
<td>Primary, Secondary &amp; Tertiary Treatment (Chlorination)</td>
<td>Borehole Injection / Irrigation</td>
</tr>
</tbody>
</table>
Roche Bois Pump Station

• Receives wastewater from
  • Gravity sewers
  • Trucks (160 x 30m$^3$/day)
  • Leachate from Mare Chicose Landfill Site (3 x 30m$^3$/day)
• A primary treatment facility (screening), with non-compliant effluent to the current ocean discharge permits

• Receives effluent from
  • Pump Station BT1 (incorporating BT2, BT3 and BT4 pump stations)
  • Roche Bois Pump Station
  • Pump Station BT5
  • Tianli Pump Station
Baie du Tombeau WWTW
Key Issues

• Project flows and influent quality monitoring

• Leachate Treatment

• Industrial Effluent Management

• Effluent Reuse, By-Product Treatment and Beneficiation, Biogas-to-Energy etc.
THANK YOU