**Waste and Waste Water**

**(WT01)**



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| **Fact Sheet WT01: Treat all wastewater and gray water. No open effluents. No sewage or desalination discharge is disposed into lagoons, bay areas or sea. Access of the hotel to an own or an external sewage treatment plant is obligatory** |
| **Overview** |
| *Objective* | Treat all waste water streams in the hotel to reuse it  |
| *Action* | Install waste water treatment Plant  |
| *Key Challenges* | Treated water (grey water) to follow the wastewater treatment laws  |
| **Process** |
| *Complexity* | High – waste water treatment Plant  |
| *Equipment & Material*  | Reception tank, equalization tank, aeration tank, centrifuge and sludge treatment.  |
| *Human Resources* | Wastewater treatment plant firms for installation and operation  |
| **Considerations** |
| *Regulatory Aspects* | Wastewater treatment laws  |
| *Economic*  | High CAPEX, Moderate OPEX, Moderate savings, Long pay back  |
| *Advantages* | Treatment of waste water to be reused in irrigation and cleaning purposes  |
| *Disadvantages* | High CAPEX |
| **Impacts** |
| *Environmental* | Decrease the fresh water consumption.  |
| *Employment Opportunities* | High – technical skilled labors |