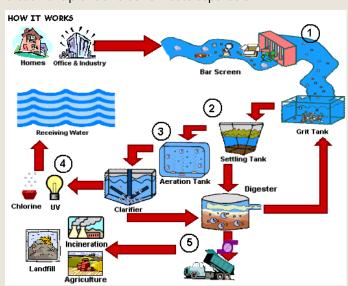
Waste water and waste recycling at the hotel

The hotel-own biological waste water treatment plant was put into operation at Severin Sea Lodge in 1991 and was the first at the Kenyan coast. Because we knew early on that especially in a country that is as poor in water as Kenya this was an important aspect in our aim for environmental protection and sustainability. And also separating all solid waste that occurs in the hotel and preparing it for further recycling purposes to save the environment of the country.



In the following we want to give you some further information on the operation of our waste water treatment plant and solid waste separation:



The whole waste water (rain water excluded) from the public toilets, showers and basins as well as from your rooms is pumped through two subterranean collecting basins to the treatment plant by pressure pipes.

Before reaching the treatment plant the waste water is pumped through a screen and a spiral filter (1). With this, rough and bulky materials that aren't biodegradable are held back. These separated solids are drained and brought to a dump in a container together with other remainders. The oils and fats that are in the water (e.g. from the waste water of the kitchen) are removed by a fat separator.

Now the waste water reaches the cleaning basin. In the settling tank (2) it comes to rest, undissolved solid materials sink to

the ground. In the vented aeration tank (3) microbes (protozoans, bacteria) take on the further cleaning. The remaining biosolids (5) are used on our biological farm as natural dung for the growing of fruit and vegetables. Via fish ponds on the neighboring premises, the cleaned water (4) is used for watering the gardens.

All waste is — ideally in your room already — divided into organic and non-organic. Our staff brings the separated waste to the waste building. Here we separate recyclable materials (paper, metal, plastics, glass) to intermediate stores, from where intermediaries collect them for recycling. Kitchen and garden waste is stored separately and exploited to biogas.

With these measures Severin Sea Lodge considerably contributes to sustainably secure the sensible ecosystem of the Kenyan coast.

Support us and separate your waste already on your room!





We will be happy to show you our waste water and waste recycling during your stay at the hotel!