



**ENVISTONE is a new process for nitrogen removal from waste waters and reuse as a fertiliser.**

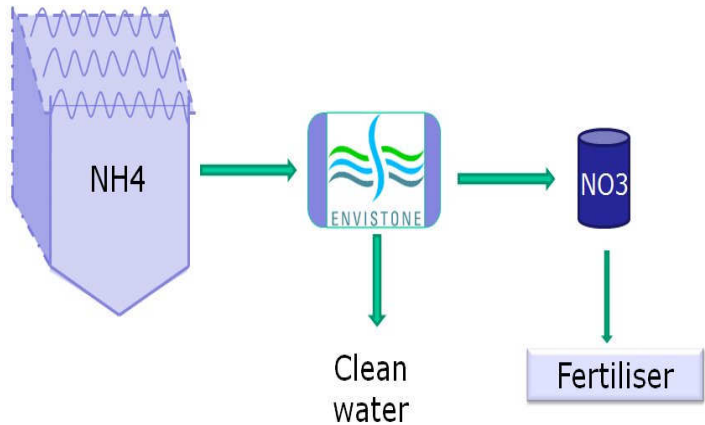
**ENVISTONE is based on reactive filtration of ammonium. It consists of natural reactive adsorbents and aeration units. Unlike conventional processes ENVISTONE is not dependent on water temperature and there is no need for large concrete basins. The end product of the process is nitrate concentrate which can be used as a fertiliser.**

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### **ENVISTONE - main advantages**

- ▶ Cost effective - Nitrification takes place in a small water volume
- ▶ Ammonium as a substrate for nitrification is in adsorbed form – no inhibition of nitrification
- ▶ No chemical additions – no risk related to chemical handling
- ▶ Recovery of nitrogen as a fertiliser
- ▶ The reactive adsorbent is natural stone with minimal environmental impact