

## SEWERAGE TREATMENT PLANTS



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In warm climatic regions like Spain, there can be long periods of drought followed by sudden violent thunderstorms and heavy rainfall. To ensure that the sewerage treatment system can cope, huge buffer basins are built to reduce the risk of flooding. When it does start raining, sand, dirt and pollutants, which may have accumulated over several months, are washed into the sewerage system. The system is designed to allow sedimentation of the solids, which can then be collected and disposed of safely with the stainless steel collection buckets. Stainless steel is utilised to prevent corrosion from pollutants such as hydrogen sulphide.



**Location** | SPAIN

**Environment** | OUTDOOR

**Product** | COLD ROLLED STAINLESS STEEL

**Fabrication process** | CUTTING, BENDING, WELDING

**Grade/surface** | GRADE 304 OR 316, DEPENDING ON PROXIMITY TO THE SEA. GLASS BEAD BLASTING IS USED FOR SURFACE FINISHING.

**Material thickness/diameter** | VARIOUS

**Weight** | FROM 100 TO 2,000 KG DEPENDING ON COMPONENT

**Competing material** | GALVANIZED CARBON STEEL

**Date of Completion** | 2008-2009

**Manufacturer** | HIDROSTANK

**Material Supplier** | INOXCENTER (GRUPO ACERINOX)

**Source of Information** | CEDINOX

**Remarks** | STAINLESS IS WIDELY USED IN OPEN AND CLOSED WASTE WATER INSTALLATIONS FOR COMPONENTS SUCH AS STORM TANKS, DETENTION BASINS, SEWER PUMP STATIONS, AND TIPPING BUCKETS. THE COMPONENTS ARE EXPOSED TO BOTH SEWAGE AND CORROSIVE ATMOSPHERIC CONDITIONS.