



Wastewater Management

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Introduction

The Blayney Sewage Treatment Plant (STP) is located on the south eastern outskirts of town on the north side of Hobby Yards Road. The original works, constructed in 1966, consisted of a Biological filter (Trickling filter) with a capacity of 2100 E.P., this was replaced by an Intermittently Decanted Extended Aeration (IDEA) activated sludge treatment plant with a design capacity of 7000 E.P. in 1989. The STP fully treats all predicted inflows and currently has excess capacity based on the future design load.

The STP and effluent management system consists of the following:

- A balance tank which restricts flow to the plant to 80 L/sec and includes a mechanical step screen and storm overflow weir and a flow divider (storm flow bypass leading to effluent ponds)
- A deodorization bed chamber (to address odour problems that may arise due to septic Milthorpe sewage)
- An intermittently decanted extended aeration (IDEA) reactor of 7,000 EP
- Alum dosing and storing facilities
- A catch pond
- Four sludge lagoons
- Sludge drying beds
- An under-drainage pumping station
- Effluent ponds

