



Wastewater Treatment and Infiltration Systems

## Drip Distribution System - Moyne National School Tipperary

A school extension required an upgrade to the existing septic tank but no space was available for a percolation area. It was decided to put a drip distribution system into the school hurling field.

An upgrade from the septic tank to a Biogreen secondary treatment system and mole ploughing of the dripline into the playing field was completed in August 2011. The dripline was Geoflow pressure compensating with root inhibitor and anti-microbial coating.

Drip design and commissioning was by Ash Environmental with installation by Biogreen Environmental.

The drip system has been operating satisfactorily for almost 5 years. Expected life is 30 years.

## **Design Details:**

Site Address: Moyne National School, Co Tipperary

Design Flow 4,500 litres/day

Wastewater Quality Secondary treated effluent

Infiltration rate: 10 litres/m2/day Area: 480 sq metres Nominal dimensions: 12m x 40m Pump capacity: 60 litres/min TDH Head: 28 metres



Secondary treatment replaced the septic tank for school extension



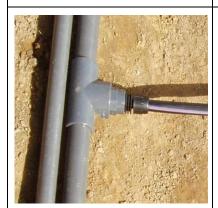
Mole plough attached to farm tractor



Mole ploughing of dripline into the hurling field using a farm tractor attachment



Driplines ready for connection to manifolds



Dripline connection to PVC manifold in a network arrangement



Auto controlled 24 hour dosing and back flushing of system



Drip distribution system completed and the hurling field back in use