

## 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/m <sup>2</sup> /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