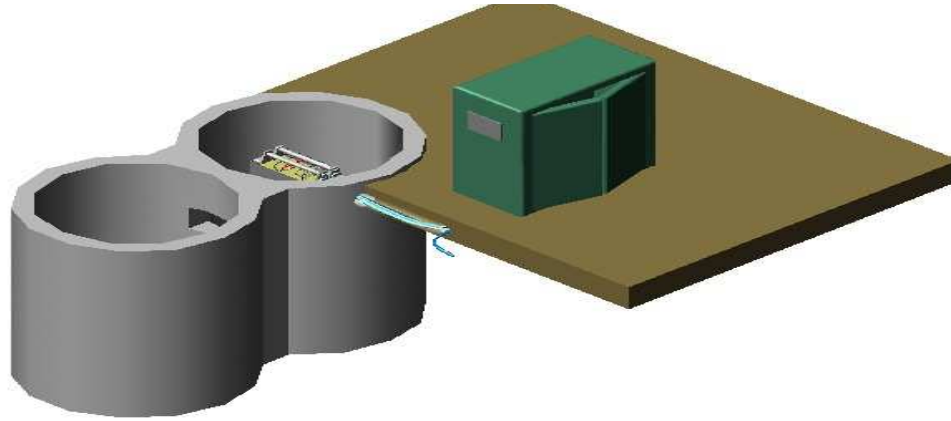


## SINGLE HOUSE EFFLUENT TREATMENT PLANTS (MBR)



### Benefits of Colloide's Single House Units

- Much higher quality of treated effluent, less than 5/5 (suspended solids/BOD)
- Provides a disinfected effluent
- All processing can be done in one tank without the need for costly civil work, pumping, controls, etc.
- Very small, compact plant
- Sludge volumes substantially reduced
- Can be fitted to existing septic tanks
- Can reuse the final effluent in many cases, thereby reducing the amount of drinking water consumed
- Pumped outlet standard

### Expected Effluent Quality From Submerged Membrane Plant

<i>Parameter</i>	<i>Value</i>
BOD	5 mg/l
Suspended Solids (SS)	5 mg/l
Ammonia Nitrogen (NH <sub>3</sub> -N)	5 mg/l
Turbidity	1 NTU
Coliforms	Factor of 6 log removal
Phosphorous (P)	< 1 mg/l achievable



### Colloide Engineering Systems Ltd

Cookstown Enterprise Centre, Derryloran Ind. Est, Cookstown, Co. Tyrone, N. Ireland BT80 9LU.

Tel: + 44 (0) 28 8675 8638 Fax: +44 (0) 28 8675 8640

Email: [info@colloide.com](mailto:info@colloide.com) Website: [www.colloide.com](http://www.colloide.com)

## Colloide Single House Systems

Colloide have a wealth of experience in all types of wastewater treatment and can provide guaranteed performance for all of their plants.

Furthermore we back this up with a team of experienced technicians and fitters who can efficiently support our customers, as well as offering clients a variety of maintenance contracts.



## Options

There are various options which can be built into our plant. These include:

- Phosphate control
- Use of a plastic or concrete tank
- Use of a local or dial out alarm
- Incorporation of further treatment of effluent (reuse)
- Kiosk mounted in or above ground



### Colloide Engineering Systems Ltd

Concorde House, Trinity Park, Solihull, Birmingham B37 7UQ  
Tel: + 44 (0) 21 635 5415 Fax: +44 (0) 121 635 5416