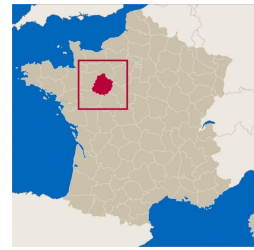




MONTFORT LE GESNOIS
72 | FRANCE

Capacity in IE : 4 000
Year of construction : 2004
Project owner : Commune de Montfort le Gesnois
Consultant : IRH / D.D.E.



TYPE OF TREATMENT

Water treatment

- Storm water tank 320 m³
- Aeration basin 800 m³
- Air diffusers
- Phosphate removal
- Deaerator
- Scraper settling tank Ø 19,8 m



Sludge treatment

- Sludge recirculation
- Sludge thickener
- Gravity belt thickener
- Sludge storage tank 900 m³



TECHNICAL DATA OF PLANT

	Capacity of treatment	Treated water discharge standards
Capacity of treatment	4 000 IE	
Daily volume	1 250 m ³ /d	
Peak flow	110 m ³ /h	
Biological oxygen demand (BOD5)	240 kg/d	25 mg/l
Chemical oxygen demand (COD)	480 kg/d	90 mg/l
Suspended solids	360 kg/d	35 mg/l
Total nitrogen	50 kg/d	15 mg/l
Total phosphorus	8 kg/d	2 mg/l



The Inhabitant Equivalent (IE) is a notion used in sanitation to evaluate the size of waste water treatment plants, it corresponds to an estimate of pollution caused by the "inhabitant equivalent" defined thus :

- 60 g/inhabitant/day for DBO5
- 90 g/inhabitant/day for suspended matter
- 15 g/inhabitant/day for total nitrogen
- 4 g/inhabitant/day for total phosphor