



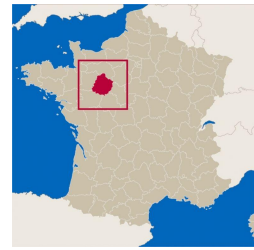
PÔLE SANTÉ SARTHE ET LOIR DE SABLÉ-SUR-SARTHE
72 | FRANCE

Capacity in IE : 2 000

Year of construction : 2000

Project owner : Pôle Santé Sarthe et Loir

Consultant : IRH



TYPE OF TREATMENT

Water treatment

- Circular aeration basin 400 m³
- 1 surface aerator 22 kw
- Deaerator
- Floating matters storage tank
- Scraper settling tank Ø 9 m
- Phosphate removal



Sludge treatment

- Sludge recirculation
- Sludge thickener
- Gravity belt thickener
- Sludge storage tank 240 m³

Smells treatment

Deodorizing of the lifting station



TECHNICAL DATA OF PLANT

	Capacity of treatment	Treated water discharge standards
Capacity of treatment	2000 IE	
Daily volume	208 m ³ /d	
Peak flow	34 m ³ /h	
Biological oxygen demand (BOD5)	117 kg/d	20 mg/l
Chemical oxygen demand (COD)	239 kg/d	90 mg/l
Suspended solids	105 kg/d	30 mg/l
Total nitrogen	19 kg/d	15 mg/l
Total phosphorus	4 kg/d	1,5 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