



PUERTO CAUCEDO
DOMINICAN REPUBLIC

Capacity in IE : 400
Capacity in m³ per day : 80
Year of construction : 2003
Project owner : /
Consultant : Puerto Caucedo



TYPE OF TREATMENT

Water treatment

- 4 lifting stations
- biological basin JUMBO SYMAC SM3+
- 2 deaerators
- 2 settling tanks SYDAC D3



Sludge treatment

- Sludge storage tanks SYLO S4



TECHNICAL DATA OF PLANT

	Capacity of treatment	Treated water discharge standards
Capacity of treatment	400 IE	
Daily volume	80 m ³ /d	
Peak flow	10 m ³ /h	
Demande biologique en oxygène (DBO5)	32 kg/d	50 mg/l
Demande chimique en oxygène (DCO)	70 kg/d	250 mg/l
Suspended solids	48 kg/d	50 mg/l
Total Kjeldahl nitrogen	6,5 kg/d	10 mg/l
Total phosphorus	2 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