

REFERENCE 1992-2

MOBILE WASTEWATER TREATMENT HIGHWAY RESTAURANT



Situation:

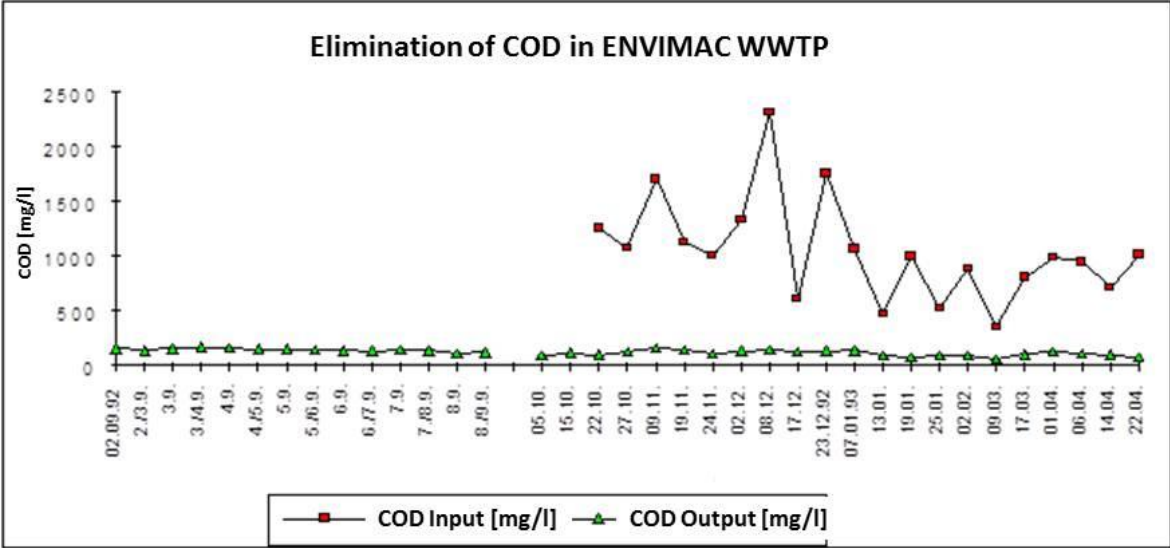
Domestic wastewater
Washing rooms and kitchen
High ammonia concentration
Lots of fats
Fluctuation of discharge rate

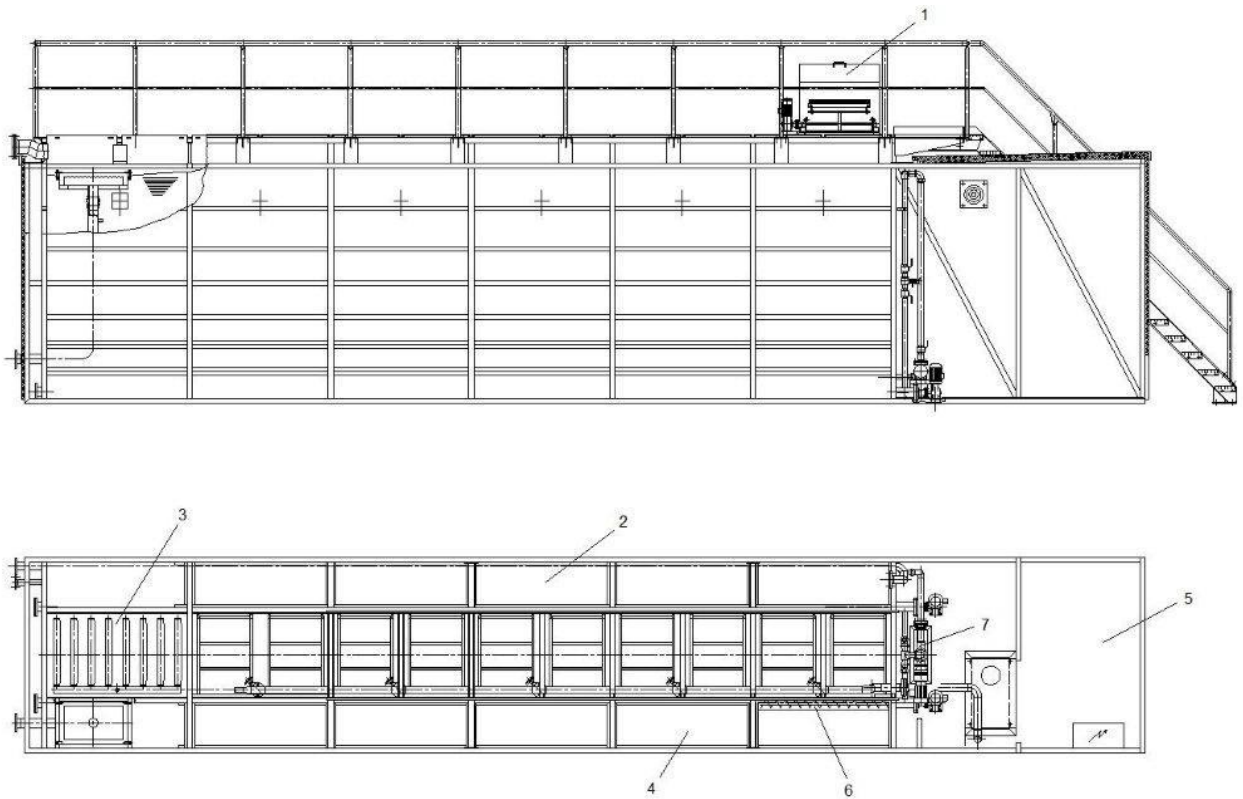
Input data:

COD	:	500 - 2300	mg/l
BOD ₅	:	350 - 600	mg/l
pH	:	6,9 - 8,2	
NH ₄ -N	:	120 - 310	mg/l
P _{tot}	:	24 - 60	mg/l
Q	:	0,4 - 0,8	m ³ /h

ENVIMAC WWTP with Submerged Fixed Bed Reactor

Fixed bed volume = 10,8 m³
 Specific surface = 100 m²/m³
 Organic Surface Load = 7 g BSB₅/m²*d
 Pre-/Postsedimentation = 4,95 m³





Container-Treatment Plant with SFBBR [1 Sieve, 2 Presedimentation, 3 Aerated Fixed Bed, 4 Final sedimentation, 5 Engine room, 6 Capping ,7 Water and sludge pumps]