

Case study



P.A.H.



Emerging Pollutants degradation of Polycyclic Aromatic Hydrocarbons (PAH 1)

Effluent composition

Molecules	Concentration (mg/l)
Phénol	200
Acide naphhténique	25
Acide acétique	200
Pyrène	0,05
Naphtalène	0,95
Acénaphhtene	0,5
Phénanthrène	0,1
Benzo(a)anthracene	0,005

Microorganisms tested

Biovitis strains	Types
Pseudomonas B251	bactéria
Yarrowia B205	yeast
Geotrichum B71	fungies
Trichoderma B97	fungies
Phanerochaete B227	fungies

Few PAH 1 after 30 days : COD and TOC fall.

Biodegradation also possible of Pollutants coming from resins ions exchanger production, of Polyacrylates, or rich in tergitol.

