

References

Perlen Papier AG, Switzerland



References

Perlen Papier AG, Switzerland



References



Perlen Papier AG, Perlen, Switzerland

Paper mill effluent

2009/2010 Engineering and supplies

4 MBBR plant design

- supplies for MBBR Technology and Mutag BioChip™

$Q = 1,000 \text{ m}^3/\text{h}$

$\text{COD}_{\text{in}} = 2,000 \text{ mg/l} \Rightarrow \text{COD}_{\text{out}} = < 300 \text{ mg/l}$

References

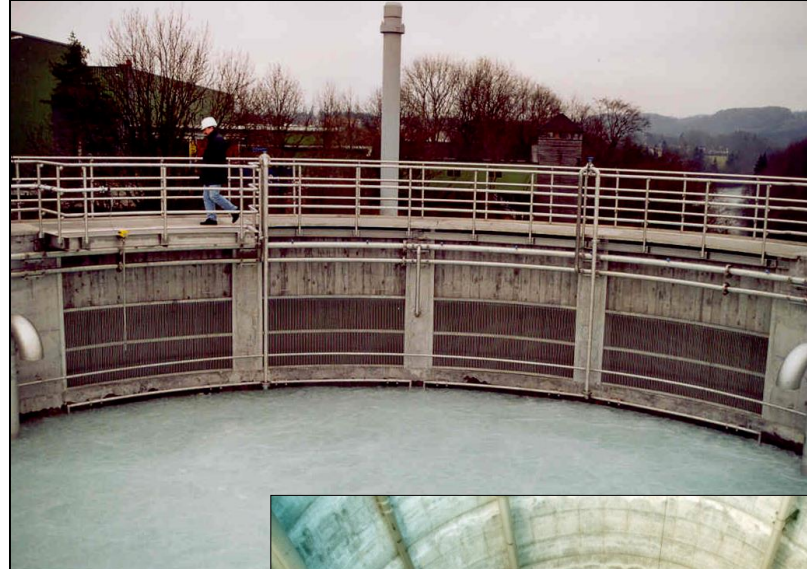
Kimberly-Clark, Switzerland



Wastewater Type	: Paper-based consumer products
Construction Year	: 2016
Removal Performance	: 7000kg COD/day

References

SCA Graphic Laakirchen AG, Austria



References



SCA Graphic Laakirchen AG, Laakirchen, Austria

Paper production effluent

2001/2002 Engineering and supplies

MBBR plant design and supplies
- supplies for MBBR Technology

$$Q = 1,500 \text{ m}^3/\text{h}$$

$$\text{COD}_{\text{in}} = 1,500 \text{ mg/l} \Rightarrow \text{COD}_{\text{out}} = 650 \text{ mg/l}$$

References

Myszkow, Poland



References



Papirna Myszkow Sp. z o.o., Myszkow, Poland

Paper mill effluent

2008 Engineering and supplies

Complete plant design and supplies (turn-key)

- Mutag MBBR Technology and activated sludge system
- chemical storage and handling
- miscellaneous equipment
- buildings (tanks)

$$Q = 140 \text{ m}^3/\text{h}$$

$$\text{COD}_{\text{in}} = 850 \text{ mg/l} \Rightarrow \text{COD}_{\text{out}} = < 125 \text{ mg/l}$$