



SPECIFICATIONS

Rated flow	2 200 l/s
Average flow	1 650 l/s
Maximum flow for thorough treatment	4 400 l/s
Rated total pollution load	40 tonnes BOD ₇ /24 h
Connected inhabitants	270 000 persons
Industrial pollution load	20 tonnes BOD ₇ /24 h

Purification requirements

90 % reduction of BOD₇ and phosphorus

The effluent must not contain more than 15 mg BOD/l and 0,5 mg P/l.

No. and size of basins etc.

Process	No. of units	Total area m ²	Total volume m ³
Mechanical treatment			
Bar racks	4	—	—
Grit removal	4	325	1 140
Pre-aeration	4	420	1 480
Primary sedimentation	8	5 600	7 900
Biological treatment			
Trickling filters	4	2 400	7 200
Sedimentation	12	2 880	10 000
Aeration	6	2 800	9 900
Sedimentation	12	2 800	10 700
Chemical treatment			
Flocculation	16	800	3 960
Flotation	16	2 000	5 550
Sludge treatment			
Thickening	5	650	2 125
Digestion	4	—	11 300
Storage for digested sludge	1	—	5 000
for chemical sludge	1	—	2 000
Belt filter presses	8	—	—
Storage for dewatered sludge	1	—	350
Containers for dewatered sludge	10	—	150
Storage for dewatered sludge	1	10 000	15 000