

Innovations for clean water



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Practical Report Camping site

The Campers true nature

Every year the season for the friends of camping and nature starts anew on 1st April in the tiny locality of Habernis on the Flensburger Förde: Caravans are aired, awnings are scrubbed and folding chairs set up. And: The AQUAMAX® XL is prepared for a highly variable time.

View from the camping site across the Flensburger Förde in the direction of Denmark: right next to the camping site passes the in total 836 kilometre long Baltic Sea Coast cycle path, over which the friends of nature on their wire donkeys can cycle from Denmark to Poland – with only a few breaks and always directly along the coast.





Here the north entices with all its natural charm

From Flensburg it is somewhat complicated if one wants to drive to the small village Habernis, which cannot be found on a normal map. However, one is on the right route if the beautifully restored windmill in Westerholz suddenly appears; from here it is no longer very far. Left once more and then right again, once more to the right and one is already on the Neukirchener Weg which leads directly to Habernis. And when you have finally reached the tiny village with its 50 souls you leave it even quicker than you can change down into second gear. But, not to worry, the camping site is still to come and that directly opposite the glorious beach on which the local fishermen still directly process their day's catch and from where you have a magnificent view across the Förde at the Danish village of Skelde.

If you spend a little time here you sense that people here still live in

an intact world. And in order that it stays this way residents and authorities work hand in hand on the maintenance of the wild-romantic nature. The almost 75 permanent and 25 exchange campers, who form a large, harmonious family on the Habernis camping site appreciate this engagement and reward the rather economically weak community with their regular presence in the summer months and in the school holidays – and with their spending power which secures the existence of the local commercial activities.

That the environment can be rapidly impaired despite such a "gentle" tourism is obvious. Therefore, already in 1994, two pits, without outlets, with a total volume of ca. 14 cubic metres were installed on the Habernis camping site for the wastewater produced.

Nevertheless, due to the relatively large removal quantity of up to 160 cubic metres per month and the from

one year to another increasing removal costs, the operator of the camping site, Uwe Fiehl, had to think of some-

Typical northern Habernis fisherman carrying out his daily tasks and the windmill converted into a restaurant in Westernholzmühle, which is the outstanding road sign on the drive to Habernis.





Whoever wants a stand on the Habernis camping site is informed by the site manager Helmut Tschiskale, on registering, about the observation of quiet times.

Maintenance of the economic base through gentle tourism and deliberate environmental engagement

thing in order to be able to continue to rent his in all 100 parking places economically...

Following various discussions with the responsible subordinate water authority and intensive research into the subject of types of plant, suppliers and value for money, a wastewater treatment technology firm in the environs was tasked to develop and realise a future-oriented wastewater treatment concept.

No sooner said than done. Together with ATB, the resident wastewater firm in October 2003 finally realised a plant concept which more than met the expectations of Uwe Fiehl. A plant which handles, without problem, the maximum anticipated volume of wastewater and also the extreme seasonal variations – after all the

camping site is closed annually from the beginning of November to the end of March and even during the open months the loads vary between 30 cubic metres in the opening month of April and 160 cubic metres in the peak month of August and in the school holidays.

Following structural inspection of the assets even the existing pits were included and the financial expense significantly minimised.

Following a first successful season using this new and retrofitted plant in 2004, the comment from Uwe Fiehl was: "Super! The plant functions economically for consumption and is absolutely reliable; we have reduced our costs considerably and our existence base has been protected, oriented towards the future. The wastewater treatment plant: the AQUAMAX® XL 80 PT.





At the centre but barely visible: located under the carefully laid out pond with hand pump is the AQUAMAX® XL 80 PT designed for extreme variations.

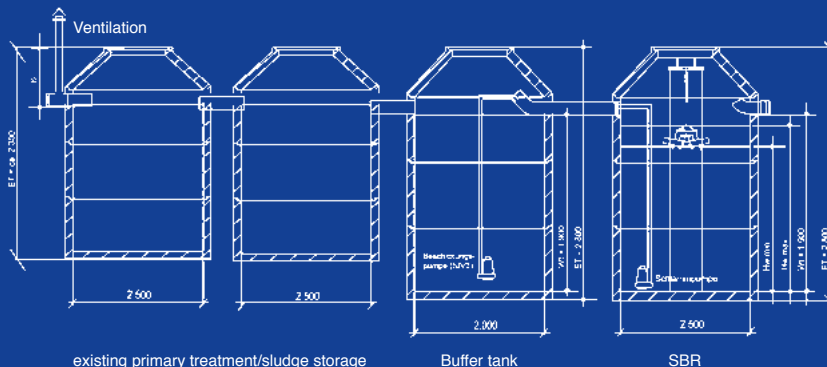
...hopefully the world will not change here for a long time!

Evidence for a rich catch and thus symbol for an intact environment: the eel traps on the banks of the Flensburger Förde at Habernis.



The Camping site Habernis project at a glance:

Owner	Camping site Habernis, Uwe Fiehl
Project management	ATB GmbH
Implementation	Plant technology ATB GmbH
	Installation ATB GmbH
Pecliarities	Retrofitting of an existing multichamber cesspit
Cost of plant technology	Ca. 11.000,- €
Commissioning	October 2003
Required treatment performance	COD < 150 mg/l BOD ₅ < 40 mg/l
Overflow values	not known before editorial conclusion



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